datavideo®

Sharing The Value

HD·SD
PRODUCT GUIDE
2009

▪ Mobile Video Studios

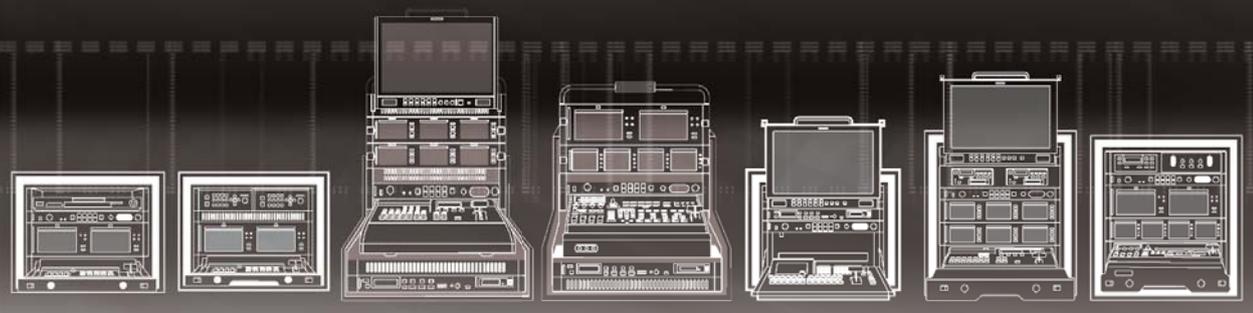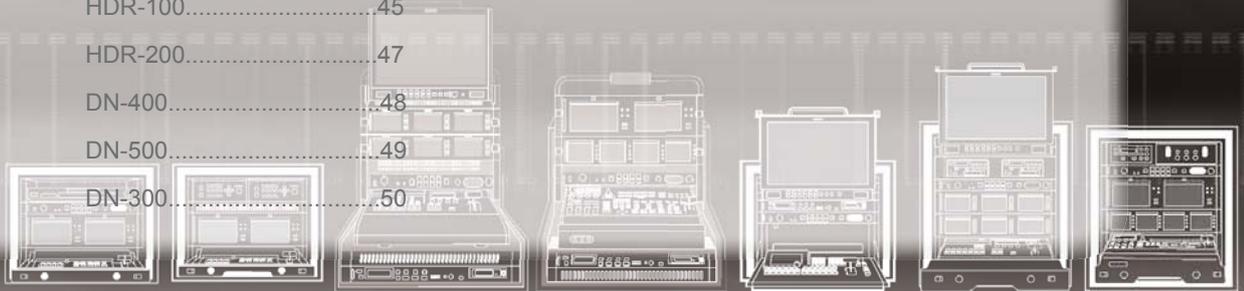▪ Switchers ▪ Recorders ▪ Monitors ▪ Converters ▪ Chromakey ▪ SDI CG ▪ Accessories

www.datavideo-tek.com

Contents

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HD/SD-SDI MOBILE VIDEO STUDIO

MS-1000

The Datavideo MS-1000 is a one box solution designed around the SE-1000 6 Channel HD / SD Video Switcher.

The MS-1000 system provides the option to work in Standard Definition or full High Definition.

The MS-1000 features 6 inputs (5 HD/SD SDI and 1 DVI/RGB) with 3 HD/SD SDI and Component (Y:U:V) outputs. RS-422 control, Ethernet connectivity and a built in, 10-bit, 6 Channel Frame Synchronizer that synchronizes all inputs without the need for Genlock (external Genlock synchronization also available).

To assist the producer during any live events, the SE-1000 also features 6 built in HD-SDI to HD-Y:U:V, SD-Y:U:V and Composite format converters, enabling loop through of each input for real time SD monitoring during production.

The MS-1000 is an HD & SD solution for users that require a flexible, but at the same time affordable solution, perfect for, education, places of worship, internet streaming, Conferences and many more applications.

The whole system is fully integrated with the ITC-100 for talkback / intercom, 2 x TLM-433 monitor banks and the TLM-170 main output monitor.The MS-1000 is the ultimate HD & SD Mobile Video Studio, a true one box solution for "Live In Seconds" with easy setup and break down at any location.

TLM-170

HDR-200

ITC-100

TLM-433

TLM-433

SE-1000

FEATURES

Integrated power distribution centre provides a simple and secure solution for connecting power in the studio or in the field from a 12V source, such as a generator.

The MVS range is designed to be ready in seconds any location

An extensive rear panel accessory range ensures easy connection to existing equipment on location or in the studio.

Easy setup, break down and storage.

Standard 19-Inch rack unit for integration with 3rd party products like wireless microphone systems.

Loop through of all camera sources, not just next source and program output, for confident preview of all live sources.

APPLICATIONS

FEATURES

Built in HD Ready TLM-170 pull-out 17" monitor

Tape edit

USB

Integrated Harddrive Recorder/Player

The HS-1000 is integrated with a HDR-200 standard & High definition hard drive recorder/player. After recording simply eject the hard drive carrier and connect to a computer using a universal USB 2.0 connector. Files can immediately be used in most NLE systems or quickly converted to a native format for your system using the provided Datavideo software.

Anti Shock

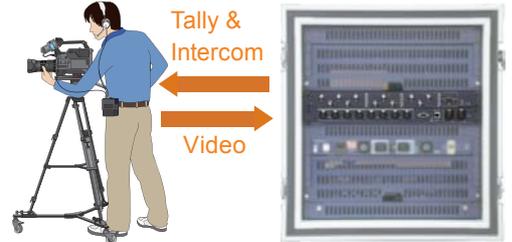Anti shock padding protects the equipment during transit.

Securing Panel

Securing SE-1000 during transport and operation,

Complete Integration

MS-1000 is fully integrated with cable loom and power distribution

Tally & Intercom

Video

MS-1000 include a 6-channel version of ITC-100 a fully duplex talkback and dual colour tally light system

Transit Lock & Sliding Shelf

Transit lock the SE-1000 to avoid transit damage. Bespoke sliding shelf designed for the SE-1000. Locking feature holds the SE-1000 shelf in a fixed location during production

REAR VIEW

RP-38 NVS-10

RP-21 SDI input & Output

RP-22 Talkback, Tally Light & Balanced Audio Panel

Multi function panel, that allows connection of up to 8 talkback belt packs (ITC-100SL), also included is tallylight and Balanced audio.

PD-1 Power Distribution Center

Dedicated power distribution for all components within the MS-1000. In addition the PD-1 also provides two power outlets. Can be operated from DC as well as AC power.

DIMENSIONS

1U
1U
1U
1U
2U
2U
3U

720   620
475
485

620(W) x 485(H) x 720(D) (mm)

Voltage: 100-240VAC, 50/60HZ, 1.4A/700mA, 160W Max
Weight: 76KG.

SETUP DIAGRAM
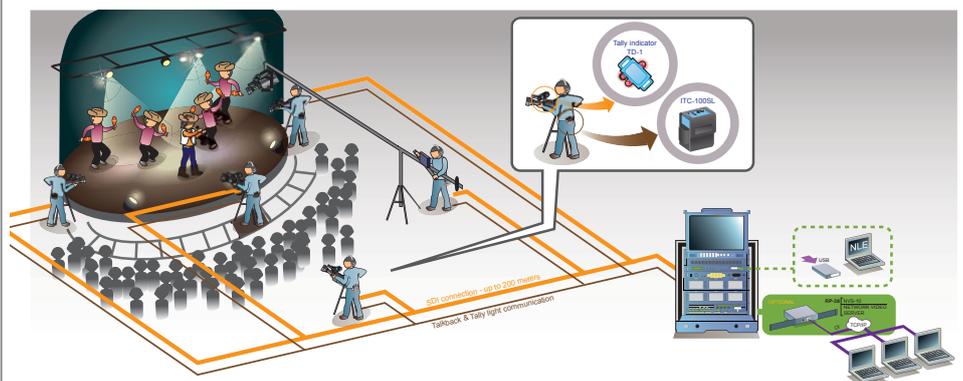
HD/SD-SDI MOBILE VIDEO STUDIO

HS-1000

The Datavideo HS-1000 is really affordable turnkey solution designed around Datavideo's SE-1000 6-channel HD/SD SDI video switcher. Live events can be very hectic, so to assist in identifying each camera location, and check if cameras have finished focusing or reframing, the HS-1000 has 6 high quality monitors. These provide the producer with a live feed from each of the sources. In addition there is a 17-inch HD monitor, which via picture in picture shows current live (program) and next (source) view.

Communication between the production team is vital, and with HS-1000 integrated ITC-100 eight channel talkback & tally system, the director, cameramen, lighting, green room, floor manager and others can communicate across all channels, or to an individual channel. High S/N ratio makes the communication crisp and clear. The included six TD-1 dual colour tally light indicators, can easily be mounted on the camera, providing both the cameraman and the talent in front of the camera with clear information on which camera is live and "next to go live".

The Datavideo HDR-200 HD/SD SDI recorder, allows you to record the event, or playback pre-recoded footage depending on your chosen configuration. Once you have completed your recording simply eject the hard drive carrier, for easy connection via USB to your editing system.

The integrated PD-1 power distribution centre provides a simple and secure solution for connecting power via a single socket, whether you find yourself in the studio, on location, or even in the field where you can work with a 12V generator or battery.

The HS-1000 is a true 'one box' solution designed for demanding users who need equipment "Live in Seconds". Easy to setup and break-down at any location.

TLM-170
TLM-433
ITC-100
SE-1000
HDR-200

FEATURES

To avoid the mess and inconvenience of individual power supplies, Datavideo HS-1000 comes with an integrated PD-1 power distribution centre. Providing a simple and secure solution for connecting all the integrated equipment from a single socket. Whether you find yourself, in the studio, on location or even in the field where you can work with a 12V generator or battery.

APPLICATIONS

FEATURES

Tally & Intercom

Video
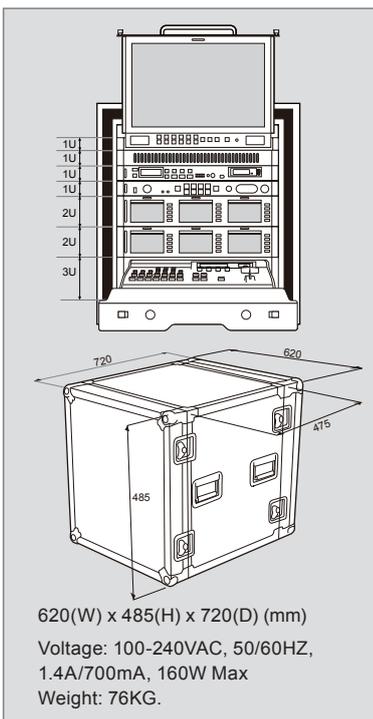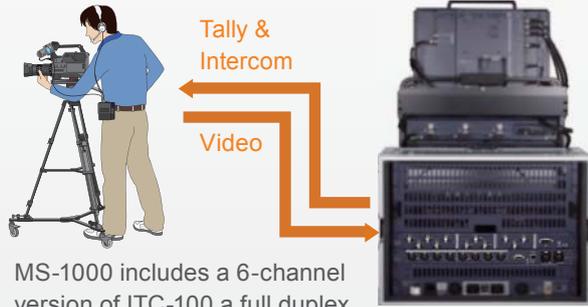
MS-1000 includes a 6-channel version of ITC-100 a full duplex talkback and dual colour tally light system

Built in HD Ready TLM-170 pull-out 17" monitor

Integrated Harddrive Recorder/Player

USB / Drag & Drop to NLE

The HS-1000 has an integrated HDR-200 standard & high definition hard drive recorder/player. After recording simply eject the hard drive carrier and connect to a computer using a universal USB 2.0 connector. Files can immediately be used in most NLE systems or quickly converted to a native format for your system, using the provided Datavideo software.

REAR VIEW

SDI input & Output   RP-21

Talkback, Tally Light & Balanced Audio Panel   RP-22

Multi function panel, that allows connection of up to 8 talkback belt packs (ITC-100SL), also included is tallylight and Balanced audio.

NVS-10(Optional) Network video server   RP-38

Easy plug and play solution for streaming live audio & video in MPEG-4 format through a Ethernet network.

Power Distribution Center   PD-1

Dedicated power distribution for all components within the MS-1000. In addition the PD-1 also provides two power outlets. Can be operated from DC as well as AC power.

DIMENSIONS

710.4   600

710.4   600

1U
1U
4U
1U
1U

650
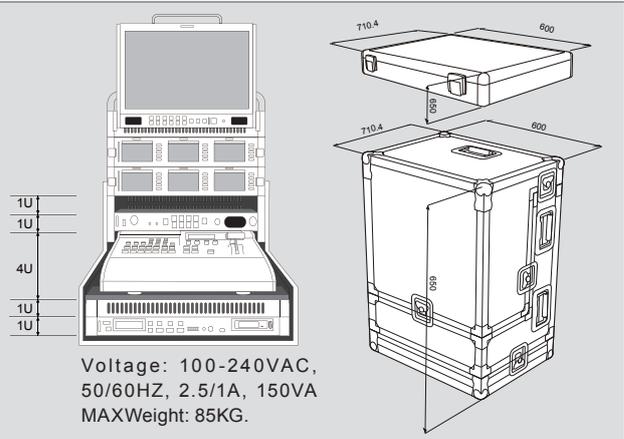
Voltage: 100-240VAC, 50/60HZ, 2.5/1A, 150VA MAXWeight: 85KG.

8-channel SD mobile video studio

MS-900

Datavideo MS-900 is a fully integrated mobile video studio designed around Datavideo SE-900 modular 8-channel SD switcher. The MS-900 feature set can be expanded with additional input cards and accessories as your requirements evolve.

The MS-900 accepts up to 8 SD inputs of your choice including DV, SDI, DVI*, YUV and Composite Video. Standard outputs include DV, SDI, YUV, S-Video (Y/C) and Composite Video. Thanks to a built in frame synchroniser and TBC for each channel no external genlock is required for flicker free switching between all 8 inputs - in any format.

Optional genlock input card* is available for genlock to existing house reference. The Multi Image Preview output allows all 8 input channels and the PVW and PGM buses to be seen on one screen. The screen also features tally information, the live source is highlighted in Red and the cued source is highlighted in yellow. In addition each input card offers a Composite Video Preview Output, irrespective of the input type.

MS-900 features also include a down stream keyer (DSK) for integration with character generator such as Datavideo CG-100. Overlay Keying can be performed internally or externally. A separate Logo Display can be used independently of the DSK utilising two built in stores.

An optional Chroma Key board can be fitted to add a 4 channel Chroma Key function. Each channel can be set independently, and you can seamlessly switch from one to another. This is ideal for virtual studio or newsroom type applications.

To accommodate for any delay in DV or SDI equipment SE-900 includes an audio delay function as well as a DV/SDI audio embedder for output. Additionally each DV and SDI video input has an audio de-embedder which provides dual channel balanced audio output.

FEATURES

- Complete integrated solution, including 8-channel SD switcher, multi display monitor, hard drive recorder and talk back system with built in tally feature
- Multi-format video – up to 8 inputs with a choice of SDI, DV , DVI*, Component (Y:U:V), S-video (Y/C) & Composite Video
- Balanced audio input with built in delayed function to ensure perfect synchronizing of video
- DV and SDI Input Boards feature audio de-embedder with dual channel balanced audio outputs
- Built in frame synchroniser and TBC for each channel, no external genlock is required for flicker free switching between all 8 inputs - in any format
- Advanced multi-screen monitor for confident preview or each source together with next source/effect preview and program output – with overlayed tally indicator

- Up to 4 live camera input virtual studio with optional Chroma Key card
- Integrated high-capacity removable hard disk video recorders, with 250GB hard drive hard drive, up to 18 hour DV format video
- Integrated Datavideo PD-1 power distribution centre provides a simple and secure solution for connecting power in the studio or in the field from a 12V source, such as a generator
- Easy Setup, breakdown and storage at any location. Designed to be "live-in-seconds"
- Anti shock padding protects the MS-900 during transit.
- *DVI Input and External Genlock options will be available in the near future

FEATURES
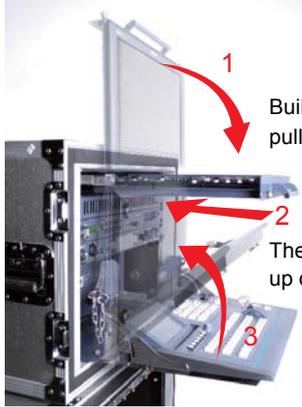
1 Built in TLM-170 pull-out 17" monitor

2 The Keyboard folds up during transport

3

DVI To PPT

SDI Overlay Board enables overlay of text and animations using a Character Generator Software such as Datavideo's CG-100.

Transit lock of the SE-900keyboard to avoid transit damage.

4 Backgrounds

LOGOKEY

(LUMAKEY)

DIAGRAM

PREVIEW IMAGE

UP TO 8 INPUT SOURCES

DN-400   CG-100   7
8

NVS-10
NETWORK VIDEO
SERVER

TCP/IP

DAC-40
SDI TO DVI
CONVERTER

DVI PROJECT

MS-900
MOBILE VIDEO STUDIO

PREVIEW IMAGE

4 INPUTS VIRTUAL STUDIOS

4 INPUTS

4 BACKGROUND VIDEOS

MS-900
MOBILE VIDEO STUDIO

NVS-10
NETWORK VIDEO
SERVER

TCP/IP

DAC-40
SDI TO DVI
CONVERTER

DVI PROJECT

FRONT VIEW

TLM-170

DN-500

ITC-100

SE-900

REAR VIEW

RP-38 (OPTIONAL)

RP-6

PD-1

SE-900
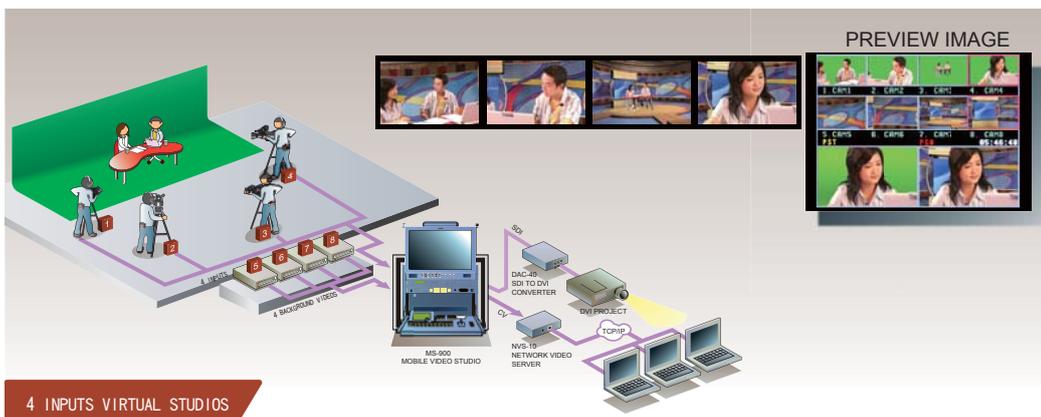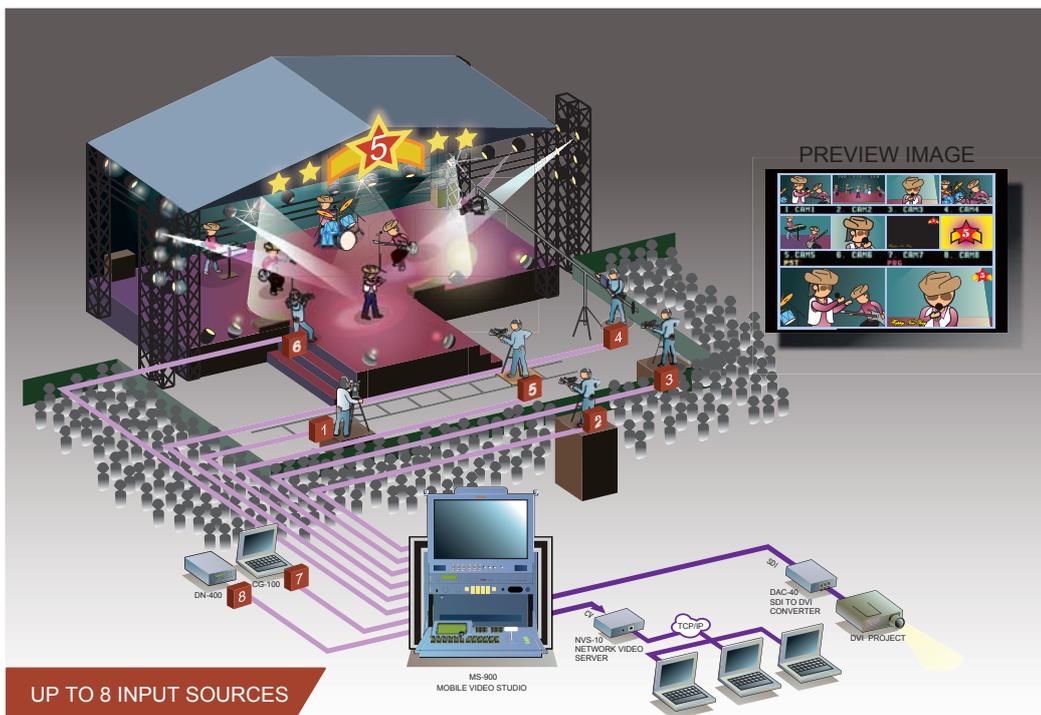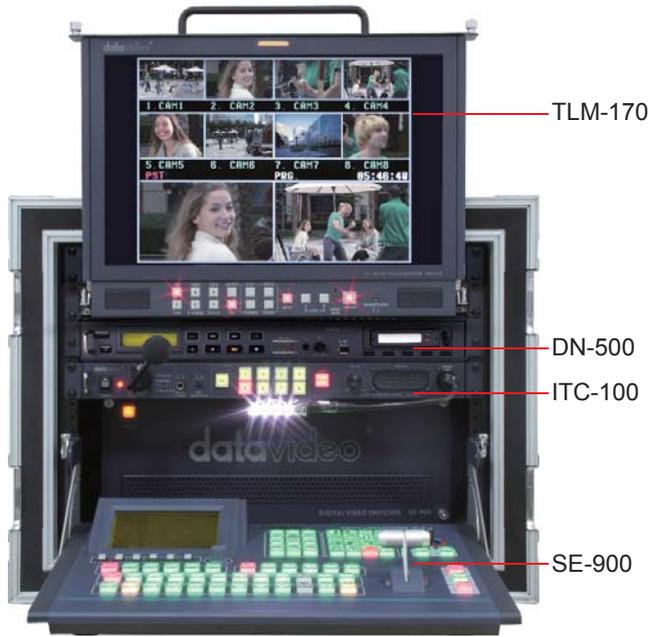
ACCESSORIES (OPTIONAL)

DAC-7
CV/ Y/C/ YUV & Audio inputs to SDI embedded Audio Converter

CKL-200
Affordable Chromakey

DAC-40
HD/SD-SDI To DVI/VGA Converter

HE-1
Removable USB HDD Enclosure

NVS-10
Network Video Server

CB-4
50m 5-Pin Intercom Cable

CB-9
1.8m DVI-I Cable

CB-10
3m HD/SD YUV Cable

CB-21
1.8m DVI To VGA Cable
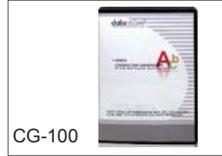
CG-100
SDI CG overlay Software

DIMENSIONS

720
620
475
485
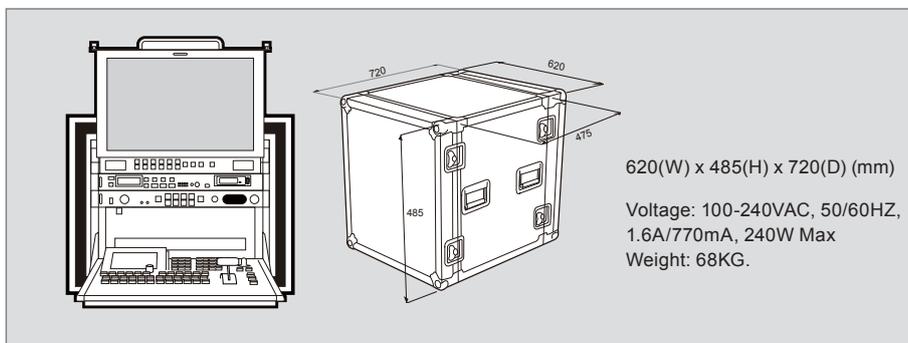
620(W) x 485(H) x 720(D) (mm)

Voltage: 100-240VAC, 50/60HZ, 1.6A/770mA, 240W Max
Weight: 68KG.

OPTIONAL BOARDS

Easy installation of optional boards including SDI, DVI, Down Stream Keyer, Genlock in and more

All inputs are synchronised internally, so no genlock is required, even between ordinary consumer camcorders/ players and computer equipment

INCLUDED

External Control Board
RS-232, RS-422 & GPI control interface board allow easy integration with existing equipment that can be controlled such as tape recorders and players or presentation control panels

SDI Overlay Board
A down stream keyer (DSK) board offers both Internal and External keying options.
Perfect for integration with character generator hardware/software such as Datavideo CG-100.

Multi-image Preview Output Board
The multi-image output display allows all inputs, master & next source output to be displayed on a single monitor, with superimposed tally and source information to assist the
producer in a hectic live production environment.

Analogue and DV - Output Board
Output card for a range of popular video formats including DV (with embedded audio from the audio delay circuit) Composite Video, S-Video (Y/ C) and Component (Y:U:V).

OPTIONAL

SDI Input Board
For users who work with SDI. The SDI input board also includes audio de-embedding to a balanced pair.

Features a useful Composite Video monitor output, for easy connection to an external preview monitor

Analogue Video - Input Board
For users who require input from a range of popular analogue video formats including Composite Video, S-Video (Y/C) and Component (Y:U:V) – Built in Time Base Corrector
synchronises each input - enabling non genlock equipment to be used without glitches.
Features a useful Composite Video monitor output, for easy connection to an external preview monitor.

DVI-D & VGA Input Board
Connect a computer and switch between live video and popular computer applications such as presentation and more.
Perfect for live events like worship and company presentations.
Features a Composite Video monitor output, for easy connection to an external preview monitor.

DV Input Board
For users who work with Digital Video (DV). The DV input board also de-embeds the audio to a pair of balanced outputs.

Four Channel Chromakey Board
Create a virtual Chromakey video studio with glitch-free switching between up to four video inputs.
You can pair four foregrounds (e. g. talent/actor in front of the camera) and backgrounds (like virtual created backgrounds) - the internal Time Base Corrector takes care of synchronizing - even non genlock equipment, like ordinary consumer camcorders can be used.

SDI Output Board
For users who work with SDI. The SDI Output board also features a useful Composite Video monitor output, for easy connection to an external preview monitor.

4 DV | Y:U:V | Y/C & Composite Video

MS-800

DN-500
Harddrive player/
recorder with
removable harddrive

ITC-100
Talkback/intercom
system

TLM-702
2 x 7" TFT LCD
Monitor Bank

TLM-404
4 x 4" TFT LCD
Monitor Bank

SE-800
DV/Analogue
Switcher

At the heart of the MS-800 lies the SE-800 4 channel DV / analogue audio video switcher. The SE-800 allows four channels of digital or analogue video and up to six channels of audio to be mixed / switched.

The whole system is fully integrated with the ITC-100 for talkback / intercom, RMC-140 for next source preview and tally display, TLM-404 for input monitoring and TLM-702 for next source and main output monitoring. Built in DN-500 hard drive recorder for play back or recording.

One box solution for "live in seconds" at any location including Conference, Studio, Outside Broadcast, Internet Streaming facility and many more.

Outputs include: Component (Y.U.V) which could be connected to a DVD recorder or projector, DV which could be connected to a DV Deck and SDI output for live broadcast. The MS-800 also provides a SDI overlay facility allowing broadcast quality titling using Datavideo CG-100 SDI CG software, for example.

1. Built in PD-1 power distribution centre. Power all equipment from a single AC Mains or 12V DC power cable.
2. The transit lock, ensures the equipment is secure while in transport
3. Video connections
(1). Industry standard DV25 ensure loss less connection of Digital Video equipment
(2). Analogue in/out connections include Component (Y:U:V), S-video (Y/C) and Composite (CV)
4. Easy Setup, break down and storage at any location. Designed to "live-in-seconds"
5. Anti shock padding protects the MS-800 during transit.
6. Standard 19-Inch rack unit for integration with 3rd party products like wireless microphone systems and traditional tape based existing recorders
7. Loop through of all camera sources, not just next source and program output, for confident preview of all live sources

REAR VIEW

RP-1
RP-2
RP-6

NVS-10
(Optional)
RP-4
PD-1

DIMENSIONS

1U
1U
1U
3U
2U
4U

720   620
475
660
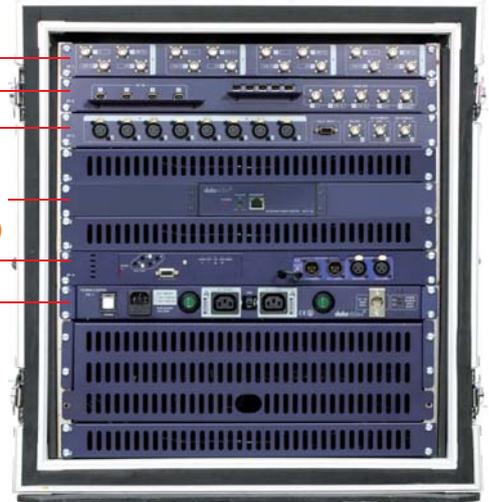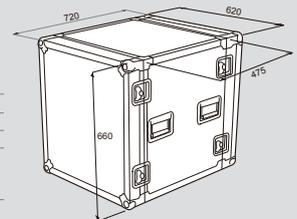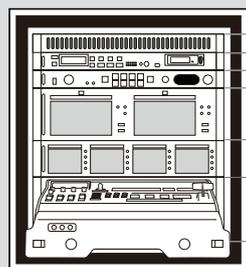
620(W) x 660(H) x 720(D) (mm)
Voltage: 100-240VAC, 50/60HZ, 1.2A/560mA, 130W Max
Weight: 72KG.

4 DV | Y:U:V | Y/C & Composite Video

HS-800

TLM-702
2 x 7" TFT LCD
Monitor Bank

TLM-404
4 x 4" TFT LCD
Monitor Bank

ITC-100
Talkback/intercom
system

SE-800
DV/Analogue
Switcher

DN-500
Harddrive player/
recorder with
removable harddrive

The Datavideo HS-800 is a light one box solution designed around the SE-800 4 channel DV / analogue audio video switcher. The SE-800 allows four channels of digital or analogue video and up to six channels of audio to be mixed / switched.

The whole system is fully integrated with the DN-500 harddrive recorder with removable hard drive carriers, ITC-100 for talkback / intercom, RMC-140 for next source pre-view and tally display, TLM-404 for input monitoring and TLM-702 for next source and main output monitoring.

HS-800 is a one box solution designed to be "live in seconds" at any Conference, Studio, Outside Broadcast or Internet Streaming facility.

REAR VIEW

USB

RP-38(Optional)   PD-1 RP-4   SE-800   ITC-100

DIMENSIONS

3U
2U
1U
4U
1U
1U

710.4   600
650
710.4   600
650

600(W) x 650(H) x 710.4(D) (mm)

Voltage: 100-240VAC, 50/60HZ,
1.2A/560mA, 130W Max
Weight: 72KG.

FEATURES

(1)Built in PD-1 power distribution centre. Eliminates unsightly wall connections and dangling power supplies. Power all equipment from a single AC Mains or 12V DC power cable.

(2)Fully integrated cable loom

2.Video Connections

(1)Input connections include; DV25, Component (Y:U:V), S-Video (Y/C) and Composite Video.

(2)Output connections include;

Component (Y.U.V) which could be connected to a DVD recorder or projector, DV which could be connected to a DV Deck and SDI output for live broadcast.

3.Highly Mobile.

(1)HS-800 is designed to be ready in seconds on any location

(2)Easy Setup, break down and storage

4.Complete Integration

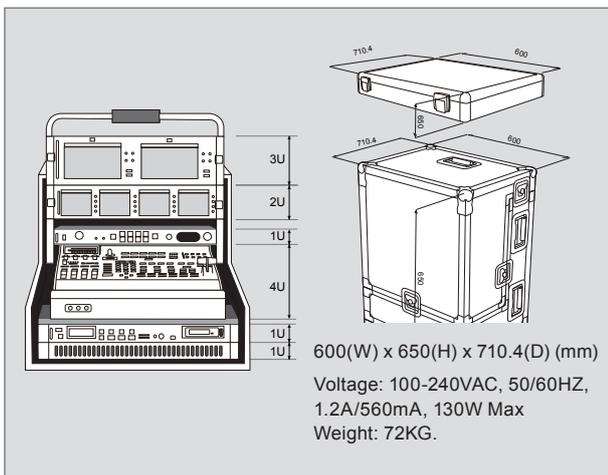(1)Fully integrated tally and talkback system for up to eight crew members.

(2)An extensive rear panel accessory range ensures easy connection to existing equipment on location or in the studio.

5.Safety & Warranty

(1) Anti shock padding and transit lock protect the equipment during transport

(2) One supplier to complete the integration and to ensure your warranty

S-Video (Y/C) & CV

MS-500

The Datavideo MS-500 is a one box solution designed around the SE-500 4-channel vision switcher. The MS-500 system is both flexible and affordable, with specifications that can meet any budget or demand, and is perfect for applications within education, places of worship, internet streaming, event & live staging conferences and many more . The whole system is fully integrated with the ITC-100 for talkback / intercom, TLM-702 for SE-500 unique quad preview, next source and main output monitoring. Output options include: Component (Y.U.V) which could be connected to a DVD recorder or projector

REAR VIEW

OPTIONAL

❶ Digital Analogue Switcher   SE-500

4-input Y/C (S-Video), Composite Video switcher with unique quad pre-view output, allows display of all 4 sources on a single monitor. On-screen tally light Indication

❷ 2 x 7" TFT LCD Monitor Bank   TLM-702

The TLM-702 utilizes the SE-500 unique quad preview output, allowing users to monitor all 4-input sources on one of the high quality 7" TFT LCD monitors, while displaying the master output on the second 7" TFT LCD monitor.

❸ Talkback/Intercom   ITC-100

Keeping communication open between the Camera crew, the producer, lighting, floor manager etc. is vital in any live production. ITC-100 is a 8 - channel talkback/intercom system that comes supplied complete with 4 x cameraman belt pack with headset/microphone & tally box indicator. Additional belt packs and extension cables available.

❹ Rack Shelf

The practical rack shelf allows easy integration of optional DVD, Hard Drive or VCR Recorder/Players

DIMENSIONS

2U
1U
3U
2U

720   620
475
485

620(W) x 485(H) x 720(D) (mm)

Voltage: 100-240VAC, 50/60HZ, 550mA/350mA, 65W Max
Weight: 50KG.
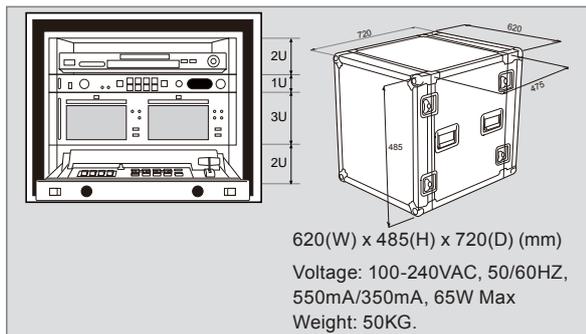
❶ Talkback & Tally Light Panel   RP-17

Multi function panel for connection of up to eight ITC-100SL beltpacks and TB-5 Tally breackout box.

❷ Video & Audio Connection Panel   RP-18

Multi function video & audio connection panel. Connection for all four Composite Video, two microphone and one AUX audio input. Composite Video & audio output connection. Plus two 12V 4A & one 12V 7A DC output connection for additional equipment.

❸ Power Distribution Center   PD-1

Dedicated power distribution for all components within the MS-500 in addition PD-1 also provides two power outlets. Can be operated from DC as well as AC power.

OPTIONAL
Network Stream Box   RP-38

Easy plug and play solution for streaming live audio & video in MPEG-4 format through a Ethernet network. Fully compatible with Windows browser IE 6.0 or above on PC.

S-Video (Y/C) & CV

HS-500

Digital Analogue Switcher SE-500

4 input Y/C(S-Video), CV/SV Video Mixer / Switcher. CV/SV & YUV Output. RS-232/Midi Control. Quad Preview Output display on a single monitor. On-screen Tally Light Indication. Digital effects

2 x 7" TFT LCD Monitor Bank TLM-702

2 x 7" 16:9 Wide Screen Monitors in 19" Rack Mount with 90 degree tilt Auto PAL/NTSC. 2 colour tally light. Individual control for contrast, brightness, colour.

The Datavideo HS-500 is a compact, portable one box solution, built around the SE-500. Designed with no compromise in performance for users where weight matters. Perfect for applications within education, places of worship, internet streaming, event & live staging, conferences and many more. The HS-500 is a fully integrated solution housed in a stylish and light aluminium carrying case, for easy and secure transport and storage. The input connections include Composite Video and Y/C (S-Video), output also includes Component (Y:U:V), which could be connected to a DVD recorder or projector.

FEATURES

Strong Locking Pivot Points:

Easy adjustment of the viewing angle of the high quality TLM-702 TFT LCD monitor.

Ergonomic Design:

The aluminium case has been especially designed to make operation extremely comfortable, and setup / break down very quick

Integrated Solution:

HS-500 is fully integrated with cable loom and power supply. Connection to video sources (such as camcorders is made easy with the quick release pivoting back panel.

Aluminium Carrying Case:

The HS-500 is a fully integrated solution housed in a stylish and light aluminium carrying case, for easy and secure transport and storage.

DIMENSIONS

Dimensions:
555 X 430 X 155(MM)

Voltage:
100-240V AC,50HZ/60HZ,
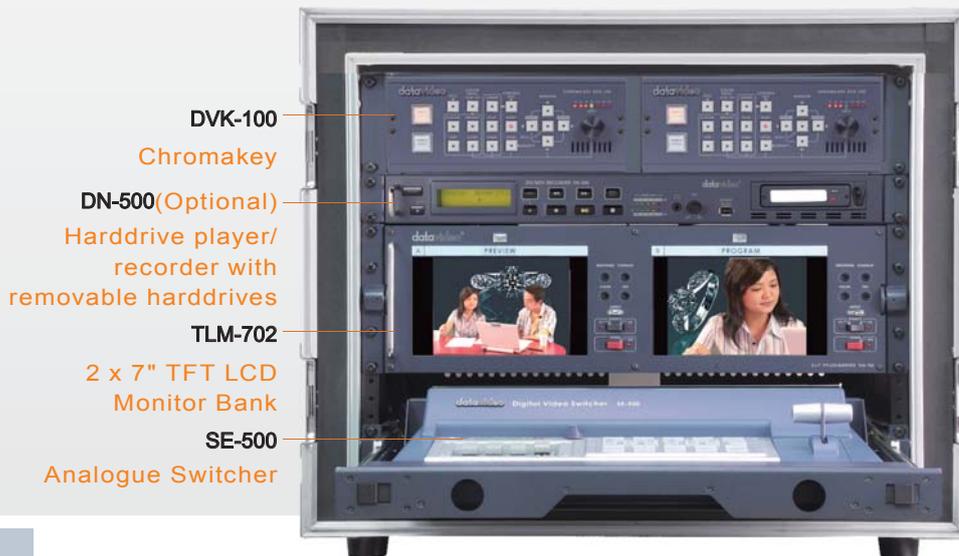535mA/325mA, 37W MAX

Weight:
9KG

MOBILE VIRTUAL STUDIO

MS-DVK1

Virtual Studio or Chroma Key is seen everywhere, from shopping channels, newsrooms, weather forecasts to blockbuster movie special effects. Datavideo MS-DVK1 is the first dual channel virtual studio system, built around the Datavideo DVK-100 Chroma Keyer

DVK-100
Chromakey

DN-500(Optional)
Harddrive player/
recorder with
removable harddrives

TLM-702
2 x 7" TFT LCD
Monitor Bank

SE-500
Analogue Switcher

MS-DVK1 is a one box solution designed for chromakey & virtual studio, fully integrated with two DVK-100 dual channel chromakeyers, the SE-500 a 4-input Y/C (S-Video), Composite Video switcher, TLM-702 7" TFT LCD monitor bridge for SE-500 unique quad preview, next source and main output monitoring, 2 x DVD players for background footage and DN-500 hard drive recorder.
The whole system is designed for easy setup & break down on location.

FEATURES

■4-way video camera virtual studio

■One box solution fully integrated with two dual channel chromakeyer, 4-input Video switcher, LCD monitor bridge, two DVD players and hard drive recorder.

■System includes the DN-500 with removable 250 GB hard drive for native recording in DV25 for more than 18 hours

■Anti shock padding protects the equipment during transport

■Built in PD-1 power distribution centre, simple and secure solution for connecting power in a studio or in the field. Can be powered from a single AC Mains or 12V power cable.

■An extensive rear panel accessory range ensures easy connection to video cameras and other equipment

■The MS-DVK1 is easy to setup and designed to be ready in seconds

Free DVD for multi-Angle Background Videos

MULTI-ANGLE   BG-001N/P

X 6

ANIMATION   BG-002NA/PA

X 3

APPLICATIONS

News & Weather   Shopping channel   Talk show   Education

FRONT VIEW

- DVK-100
- DVK-100
- DN-500 (Optional)
- TLM-702
- SE-500

REAR VIEW

- RP-38 (Optional)
- CP-100
- CP-100
- RP-29
- PD-1

Professional and rugged DVD player
CP-100

ACCESSORIES

Included accessories

S(Y/C) to BNC*2 Cable
CB-2

X 4

SETUP DIAGRAM

Dual virtual studio, perfect for applications within education, live TV, conference and many more

CAM1
1

CAM2
2

MS-DVK1

LCD TV/MONITOR
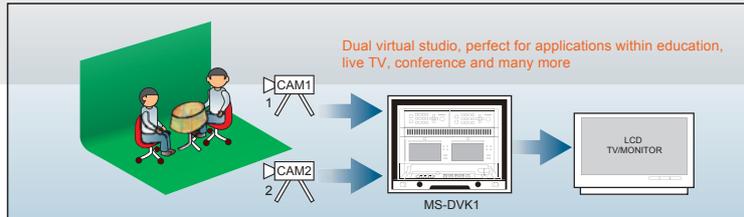
Optional accessories

DUAL COLOUR CHROMAKEY RING & SCREEN
CKL-100
LD-1+RF-3025

Highly retro-reflective material
RF-3025

A Chromakey Studio has just become easy and affordable

Dual Colour light ring   LD-1
- Blue LED Light
- Green LED Light

Power supply and dimmer   LD-1
LD-1 Variable Brightness Power Supply
Blue and green light switch
LED lighting intensity adjustment

REMOVABLE HDD DRIVE

BACKGROUND VIDEO 1

BACKGROUND VIDEO 2

DIMENSIONS

2U
1U
3U
2U

720
620
475
485
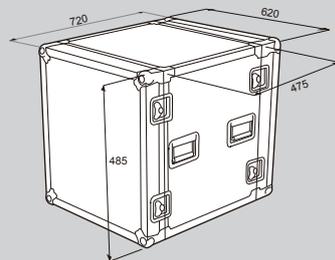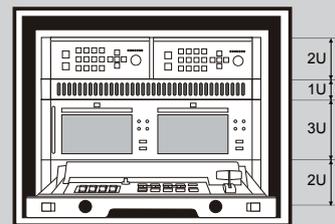
620(W) x 485(H) x 720(D) (mm)

Voltage: 100-240VAC, 50/60HZ, 1.1A/125mA, 125W Max
Weight: 68KG(Without DN-500).
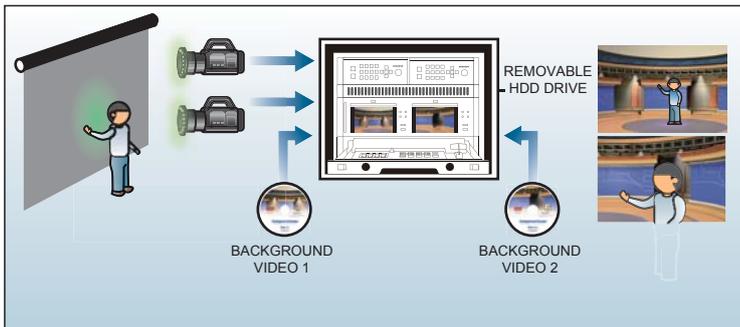
HD DIGITAL VIDEO SWITCHER

SE-2000

The Datavideo SE-2000 is a rugged and very portable five channel full HD video & audio switcher designed to excel in a new demanding high-definition production environment.

The brand new SE-2000 switcher not only meets your request for true full 1920 x 1080 HD quality, but also provides an array of simple-to-operate features, including up to 14 pre-stored logos, digital clock display, five user setup, DVI-D connection for use with presentation software and easy titling, and many more features.

Whether you're working in worship, education, conducting a live outside broadcast or shooting inside a production studio, the Datavideo SE-2000 full HD video 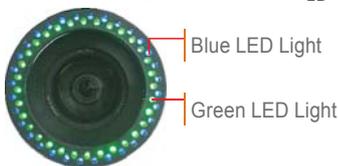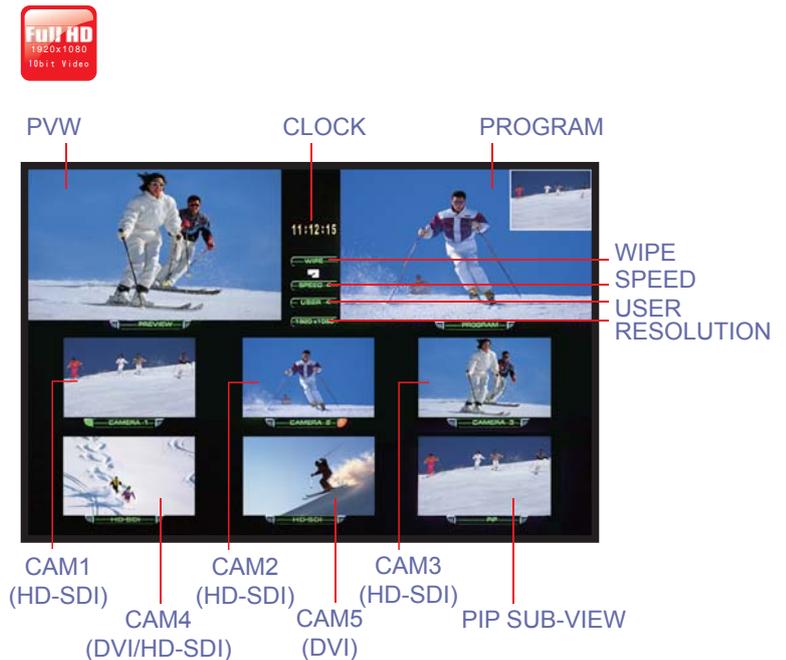and audio switcher enables you to switch seamlessly between video and audio sources and blend high-quality digital content on the fly, even without external genlock, thanks to the built in TBC.

FEATURES

■ FULL HD: 1920X1080i & 1280X720P
  Input:
    4x HD-SDI and 1x DVI-D input or 3x HD-SDI,
    and 2x DVI-D input (Options)
  Output:
    PGM: Full HD output, HD-SDI and HD-YUV format
    PVW: DVI-D
■ PVW out with multi image and digital clock display
■ DVI-D for power point presentation, simple title,
  support full HD input.
■ LOGO insertion, up to 14 logos pre-store and
  LOGO's resolution is 128x 96
■ 4 channel input audio mixers with XLR connectors.
■ Audio / video synchronization switching
■ LUMA key, real-time simple captions display
■ PIP, FRZ, Black image
■ 5 individual speed keys for instant selection with take
  effect
■ 5 users preset memory
■ Tally signal output
■ RS-232 control
■ DC 12V input
■ 13Transition +border (width, soft and hard)

Multi images PVW out & Clock display

PVW   CLOCK   PROGRAM

WIPE
SPEED
USER
RESOLUTION

CAM1   CAM2   CAM3
(HD-SDI)   (HD-SDI)   (HD-SDI)
       CAM4   CAM5   PIP SUB-VIEW
       (DVI/HD-SDI) (DVI)

COVER PANEL

- FUNCTION
- LOGO
- PIP/KEY
- EFFECTS
- SPEED
- SWITCH
- TAKE
- CUT
- MAIN SOURCE
- SUB SOURCE

- AUDIO SOURCE
- AUDIO MIXER
- HEADPHONE

REAR PANEL

- AUDIO OUT
- AUDIO IN
- DVI-D IN
- HD-SDI IN
- HD-SDI IN / DVI-D IN   OPTIONAL
- TALLY
- RS-232
- POWER
- DC IN 12V 4A
- PREVIEW OUT
- HD-YUV OUT
- HD-SDI OUT

FEATURES

LOGO & Clock

CG Overlay

Speed key & Take

PIP

Audio Mixer, provide balanced audio inputs and outputs
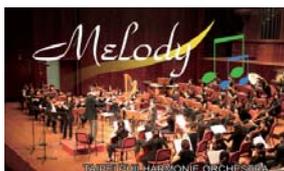
Audio follow video synchronization switching

RS-232 & Tally Interface

DC IN 12V 4A

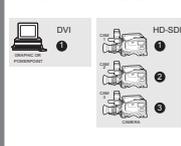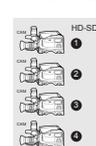**Multi-image monitoring**

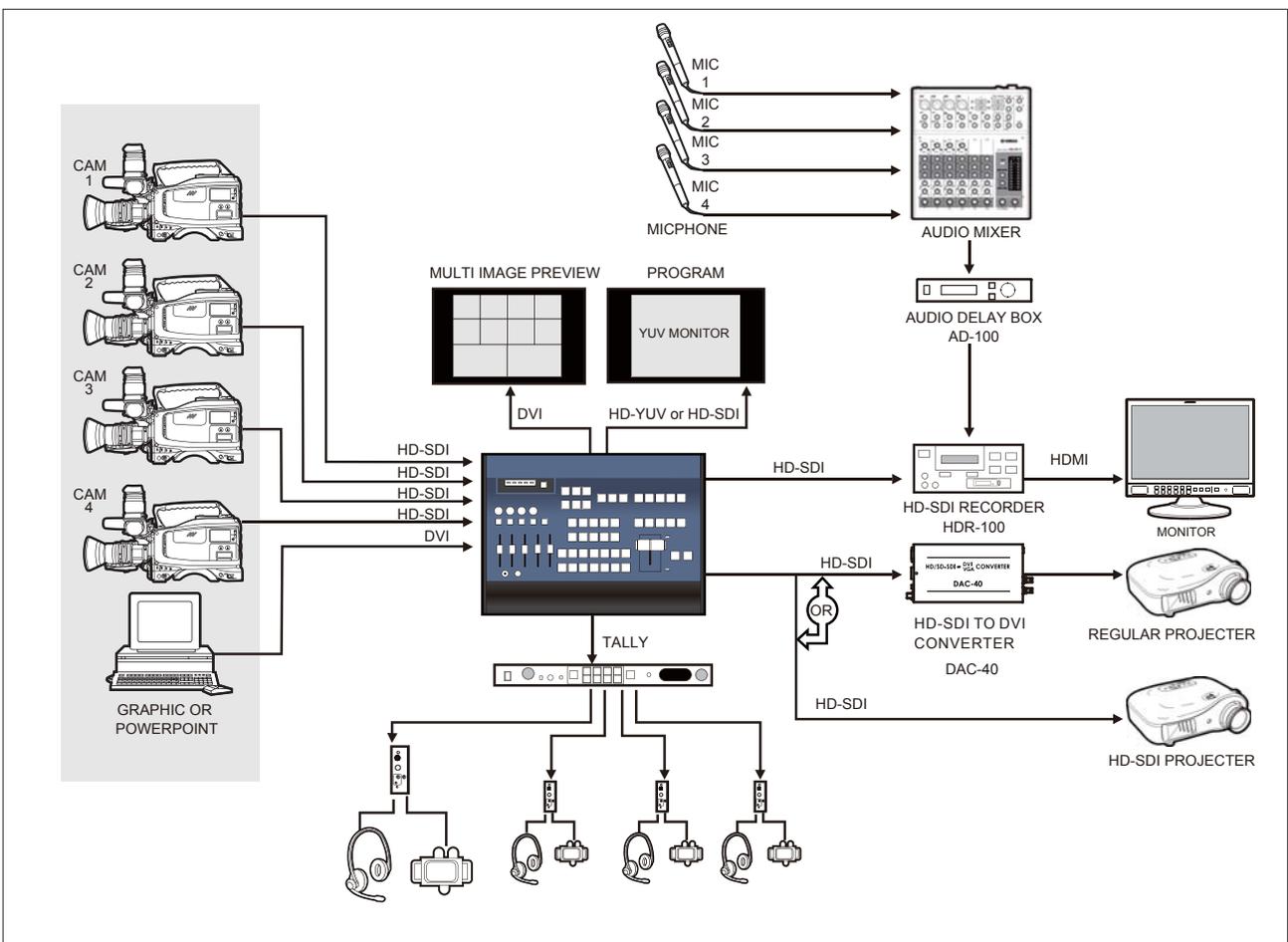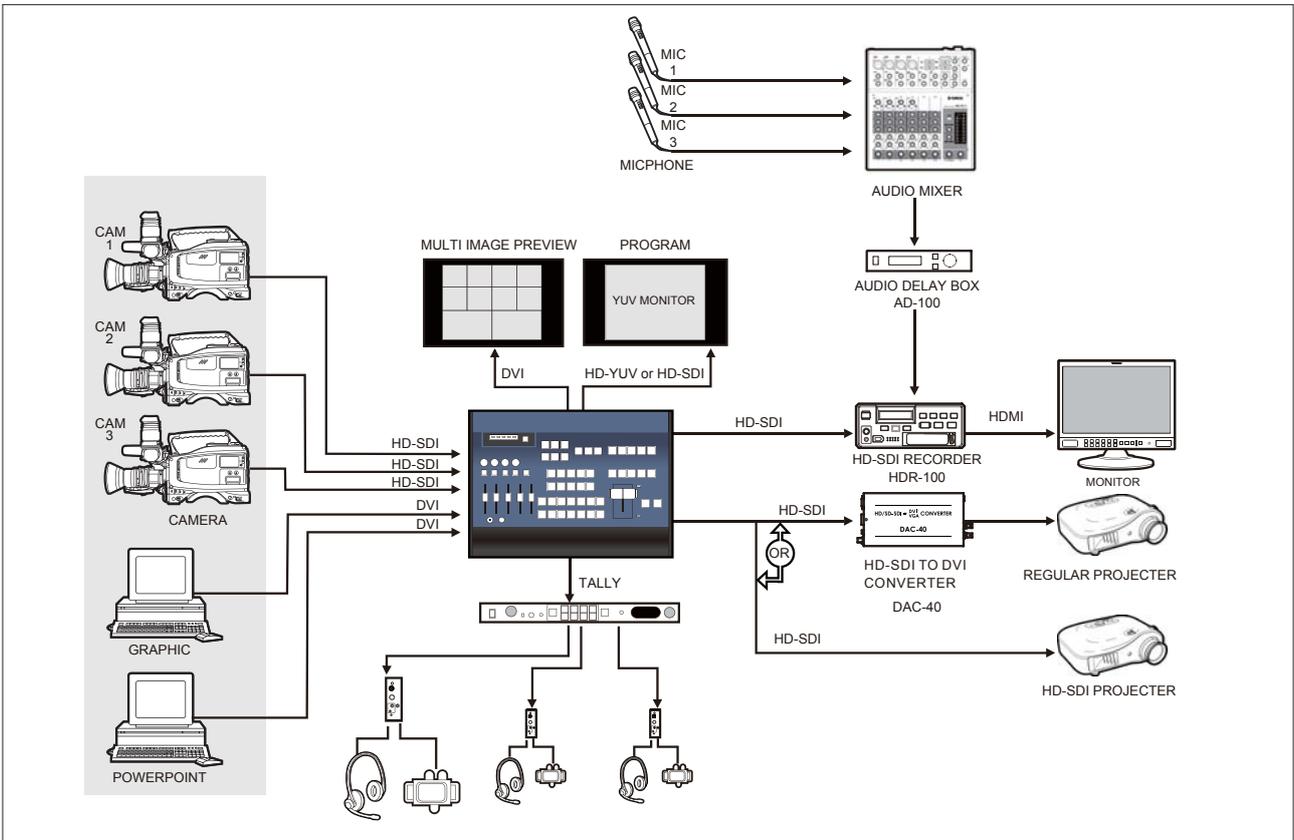**+48V XLR Microphone**

Selectable inputs:
3HD-SDI+2DVI   4HD-SDI+DVI

SETUP DIAGRAM

SPECIFICATIONS

■ Input:
■ 4x BNC connector for HD -SDI input
■ 2x DVI connector for DVI-D input
   (1x DVI-D input is collective with SDI#4 channel)
■ Output: 2x HD-SDI output, 1x HD-YUV output, and 1x DVI-D output
■ Program output:
■ 2x HD-SDI output, 1x HD-YUV output
■ Preview output
■ 1x DVI-D output
■ Multi image display in PVW output:
■ PVW output includes 6x monitoring, 1x PVW and 1x PGM

■ Audio:
■ 4-CH XLR balanced audio input separate channel,
■ 2-CH XLR balanced audio output.
■ Switchable Line and MIC mode for input Audio

■ HD-SDI signal:
Complied with SMPTE 292M standard
■ Output return loss :
   More than 15 dB (5MHz to 750MHz)
   More than 10 dB (750MHz to 1.5GHz)
■ Output level : 0.8 Vpp ± 10%
■ Rise time : Less than 270 ps
■ Fall time : Less than 270 ps
■ Difference between rise time and fall time within 100 ps
■ Alignment jitter : Less than 0.2 UI
■ Timing jitter : Less than 1.0 UI
■ Eye aperture ratio : More than 90%
■ DC offset : 0 ± 0.5V
■ Equalizer use 5C-FB cable support 100 meters
■ HD-YUV Output:
■ Bandwidth 30MHz < +/- 3dB
■ S/N Ratio > 50 dB
■ DG <3 degree, DP <3%
   (Base on U, V signal analyze)
■ Audio:
■ Bandwidth 20~20KHz < +/- 3dB
■ S/N Ratio > 70 dB
■ THD. < 0.1%
■ Support Inter Gen-Lock for the input videos

■ SE- 2000 Unit Dimensions
■ Width: inches/ 429 mm
■ Depth: inches/ 330 mm
■ Height: inches/ 85 mm
■ Net Weight: lbs/ 3.7 Kgs
■ Power Supply: 110/220V
■ Input: 100-240V, 50-60HZ
■ Output: 12V/4A

RESOLUTION

INPUT
1920*1080 | 50i 60i 59.94i | 1280*720 | 50P 60P 59P

OUTPUT
1080i | 720P

ACCESSORIES (OPTIONAL)

TLM-170 — 17" TFT LCD HD & SD monitor
HDR-100 — HD HDD Recorder
HDR-200 — HD HDD Recorder
DAC-40 — HD/SD-SDI To DVI/VGA Converter
DAC-9 — HDMI to HD/SD-SDI Converter
AD-100 — Audio Delay Box
CB-10 — 3m HD YUV Cable
CB-19 — 1.8m DVI-D Cable
CB-20 — 1.8m DVI to HDMI Cable
CB-21 — 1.8m DVI-I to VGA Cable

HD/SD DIGITAL VIDEO SWITCHER

SE-1000

Datavideo SE-1000 is a new compact, high definition and standard definition video switcher ideal for applications within Education, Worship, Live, Music videos, Cable shows, Corporate videos, Event staging and many more.

Datavideo SE-1000 features six inputs (five HD or SD SDI and one DVI-I) and three outputs (three HD or SD SDI), RS-422 control, Ethernet connectivity and a built-in, 10-bit, 6-channel frame synchronizer that adjusts automatically

To assist the producer during any live event SE-1000 also features six built in HD-SDI to HD-YUV, SD-YUV and Composite format converters enabling loop through of each input for real time monitoring during production.

Features also include nine wipe patterns and three directional wipes. Datavideo SE-1000 will operate in all recognised SD and HD formats enabling integration with existing equipment, while at the same time being future proof. Simple operation and rugged construction allow the SE-1000 to be used in studios, in a Mobile Video Studio, on board an OB truck, in a Post Production facility, in education applications or for any application where a reliable, high quality/low cost video switcher is required.

FEATURES

• Multi Format Compatibility

• Worldwide SD and HD formats supported in one unit (Although not mixed formats)

• SD. 480/59.94, 576/50i

• HD. 1080/59.94i, 1080/50i, 720/59.94p, 720/50p

• 6 inputs (5 HD-SDI or SDI, 1 DVI-I)

• 3 SDI output and 3 HD Analogue Component Output

• 10 bit Frame Synchroniser enables switching without glitch or freeze even with asynchronous video signals.

• Multiple Interfaces

• Keying - Both linear and self keying is possible as well as key invert.

• Easy Titling - Versatile titling can be achieved and enhanced by adding Datavideo CG-100 Character generator (SD only).

• 6 tally outputs and an RS-422 interface enable configuration in a wide range of switching options.

• To complete the IT infrastructure the SE-1000 has a built in network interface enabling images and graphics to be added via PC.

• Range of Switching Effects - The unit includes a wide range of simple to operate wipe patterns including nine wipe patterns and three directional wipes.

• 12 volt operation - Built in DC regulator makes this unit ideal for outside broadcast applications, and a perfect companion for Datavideo's Mobile Video Studio Solutions

SE-1000 CONTROL PANEL

- Wipe pattern selector buttons
  These are used to select one of the nine wipe patterns
- Power switch
- Wipe direction selector button
  Used to select the wipe direction.
- Source selector buttons
- Main Source crosspoint buttons
- Sub Source crosspoint buttons
- Function button

- Rotary encoders
- LCD menu area
- Adjustment for different Video Formats
- T-Bar Fader Level
- PGM/PST Bus Tally
- Background Button
- Key Switch Tally LED
- Key Button
- Mix A/B Bus Button
- Wipe Button
- Auto Take Button

REAR VIEW

- Analogue HD/SD component & Composite output
- Converter HD/SD-SDI Input
- HD/SD-SDI Input / Loop Out
- DVI-I signal input connector
- PGM output connectors
- PVW output connector
- AUX output connectors

- RS-422
- Tally
- Reference input connector /BB output connector
- AUX output connector
- Preview output connector
- GPI
- Ethernet
- Program output connector

FEATURES

Choose between five live input, DVI, Backgrund colour, Colour bar or still image store for each source

SD aspect conversion

Six independent video standard converters

Internal Genlock

LINEAR
For Easy Titling

LINEAR +SELF KEY

LINEAR FOR LOGO OR GRAPHIC KEYING

23

Six independent and cross-format digital to analogue converters
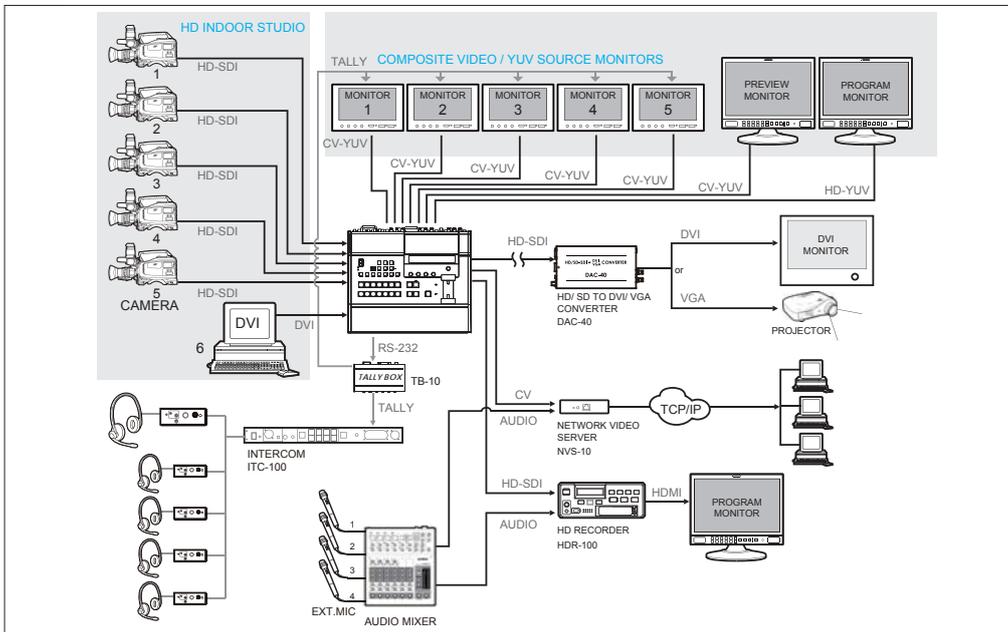
SDI Conversion

HD-SDI ▶ HD-YUV / SD-YUV / SD-COMPOSITE

DOWN-CONVERTER

SD-SDI ▶ HD-YUV / SD-YUV / SD-COMPOSITE

UP-CONVERTER

Down / Format Conversion

HD-SDI 59.9i ▶ HD-YUV 50i / SD-YUV PAL / SD-COMPOSITE PAL

DOWN/FORMAT CONVERTER

HD-SDI 50i ▶ HD-YUV 59.9i / SD-YUV/ NTSC / SD-COMPOSITE NTSC

DOWN/FORMAT CONVERTER

Standard Conversion

SD-SDI NTSC ▶ HD-YUV 50i / SD-YUV/PAL / SD-COMPOSITE PAL

UP/FORMAT CONVERTER

SD-SDI PAL ▶ HD-YUV 59.9i / SD-YUV/ NTSC / SD-COMPOSITE/ NTSC

UP/FORMAT CONVERTER

APPLICATION & SETUP DIAGRAM

Studio setup

HD INDOOR STUDIO
TALLY COMPOSITE VIDEO / YUV SOURCE MONITORS
1 HD-SDI
2 HD-SDI
3 HD-SDI
4 HD-SDI
5 HD-SDI
CAMERA
6 DVI
MONITOR 1 / MONITOR 2 / MONITOR 3 / MONITOR 4 / MONITOR 5
PREVIEW MONITOR / PROGRAM MONITOR
CV-YUV / CV-YUV / CV-YUV / CV-YUV / CV-YUV / CV-YUV / HD-YUV
HD-SDI / DVI / DVI MONITOR
HD/ SD TO DVI/ VGA CONVERTER DAC-40
or / VGA / PROJECTOR
RS-232 / TALLY BOX / TB-10 / TALLY
INTERCOM ITC-100
CV / AUDIO / NETWORK VIDEO SERVER NVS-10 / TCP/IP
HD-SDI / AUDIO / HD RECORDER HDR-100 / HDMI / PROGRAM MONITOR
1 / 2 / 3 / 4 / EXT.MIC / AUDIO MIXER

Mobile System Setup

MOBILE SYSTEM
CAMERA
COMPOSITE VIDEO SOURCE MONITORS
17" MONITOR TLM-170MD
1 HD-SDI / 2 HD-SDI / 3 HD-SDI / 4 HD-SDI / 5 HD-SDI
6 DVI / DVI
1 / 2 / 3 4"x3 MONITORS TLM-433
SD
4 / 5 / PREVIEW 4"x3 MONITORS TLM-433
SD
17" MONITOR TLM-170MD
SE-1000 HD/SD SWITCHER
TLM-433 4"x3 MONITORS
ITC-100 INTERCOM
HDR-200 HD/SD RECORDER
PROGRAM HD-YUV OUT
AUX OUT / AUDIO / HD-SD RECORDER HDR2-00 / HDMI
RS-232
NETWORK VIDEO SERVER NVS-10 IN RP-38 / TCP/IP
TALLY / TALLY BOX / TB-10 / TALLY
INTERCOM ITC-100
PROGRAM HD SDI OUT / DAC-40 / DVI / HDMI MONITOR
HD/ SD TO DVI/ VGA CONVERTER DAC-40 / or / VGA / PROJECTOR
1 / 2 / 3 / 4 / EXT.MIC / AUDIO MIXER / AUDIO / AUDIO

SPECIFICATIONS

■ Video processing

Video format	SD (480/59.94i, 576/50i), HD (1080/59.94i, 1080/50i, 720/59.94p, 720/50p)
	Y:Cb:Cr, 4:2:2 10 bit RGB, 4:4:4 8 bit

■ SDI/HD-SDI Specifications

Standard	SMPTE 259M-C (270 Mbps, 525/625 component video) and
	SMPTE 292M (1.485, 1.485/1.001 Gbps)
Connector	BNC (IEC169-8)
Impedance	75 ohms
Return Loss	HD >15dB(5 MHz to 750 MHz),
	>10dB(750 MHz to 1.5 GHz)
	SD >15dB(5 MHz to 270 MHz)
Equalization	265 m Belden 8281 cable at 270 Mbps; 135 m (typical) of Belden 1694A at 1.485 Gbps

■ Source Inputs

HD/SD-SDI	5 inputs (with active loop through output)
RGB	DV1-1 x 1 (SXGA 1280x1024, XGA 1024x768(60 Hz)
Key	1 input from video inputs.
Reference	Black burst/TRI (Loop through) x 1

■ Main Outputs

SDI	3 outputs (PGM x 2, PVW x 1, AUX x 2)
HD Analogue	3 outputs (Y, Pb, Pr: HD only) Component
Reference	Loop through x 1 (Gen-lock) / Black burst x 2 (Internal synchronization)
	Black burst/TRI (Loop through) x 1

■ Effects

Transition	Cut, Mix, Wipe (9 patterns, 3 directions)
Key synthesis	Self key, Linear key

■ Interface

Ethernet	100 Mbps / 10 Mbps x 1
Serial (EDITOR)	D-sub 9pin x 1 : RS422A
Tally output	D-sub 9pin x 1:6 ch, open collector output
GPI	1 (Auto take)

■ HD/SD Cross Converter

Inputs	6 SDI/HD-SDI
Outputs	6 HD-YUV, YUV, Composite video
Input Formats	SD (480/59.94i, 576/50i),
	HD (1080/59.94i, 1080/50i, 720/59.94p, 720/50p) – Auto Detect
Output Formats	SD (480/59.94i, 576/50i),
	HD-YUV (1080/59.94i, 1080/50i,720/59.9p, 720/50p)
Aspect Converter	Input SD 16:9 or 4:3
	Output SD 16:9 or 4:3
Video Correction	Brightness, Colour and Tint (Tint NTSC only)
IRE	0/7.5IRE -- Options

■ Operating temperature	0 ˚C to +40 ˚C
■ Humidity	10% to 90% (non condensing)
■ Power	DC 12 V / 10 A
■ Dimensions (WxHxD)	426mm(16.8") x 119mm(4.7") x 368mm(14.5")
■ Weight	Approx. 5.5 kg/ 13.8 lbs

■ Specification in this document is subject to change without notice due to continual improvements.

ACCESSORIES (OPTIONAL)

16:9

TLM-433
Monitor bank of 3 x 4" TFT LCD monitors

16:10

TLM-170
17" TFT LCD HD & SD monitor

HDR-100/ HDR-200
Digital Hard drive player & recorder with exchangeable drives

DN-500
Digital Video Recorder

TLM-433JF
Monitor & Intercom holder
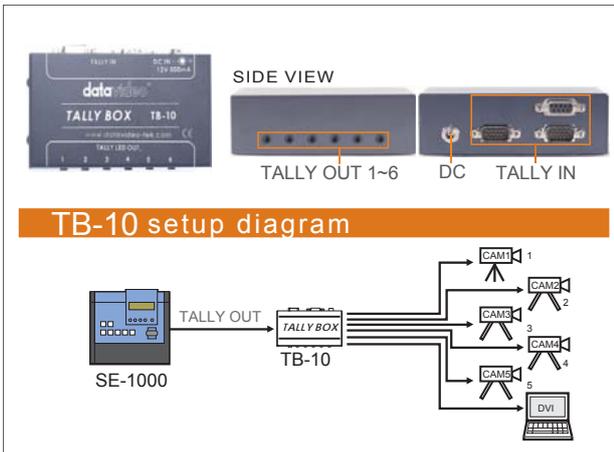

ITC-100KF1000
8-channel Intercom

CB-10
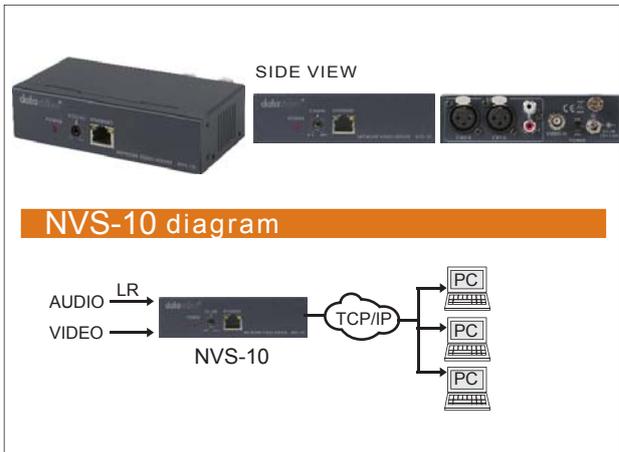3m HD/SD YUV Cable

CB-19
1.8m DVI-D Cable

CB-20
1.8m DVI to HDMI Cable

CB-21
1.8m DVI-I to VGA Cable

SIDE VIEW

TALLY OUT 1~6   DC   TALLY IN

TB-10 setup diagram

SE-1000   TALLY OUT   TALLY BOX   TB-10   CAM1 1   CAM2 2   CAM3 3   CAM4 4   CAM5 5   DVI

TB-10
Tally box

SIDE VIEW

NVS-10 diagram

AUDIO LR   VIDEO   NVS-10   TCP/IP   PC   PC   PC

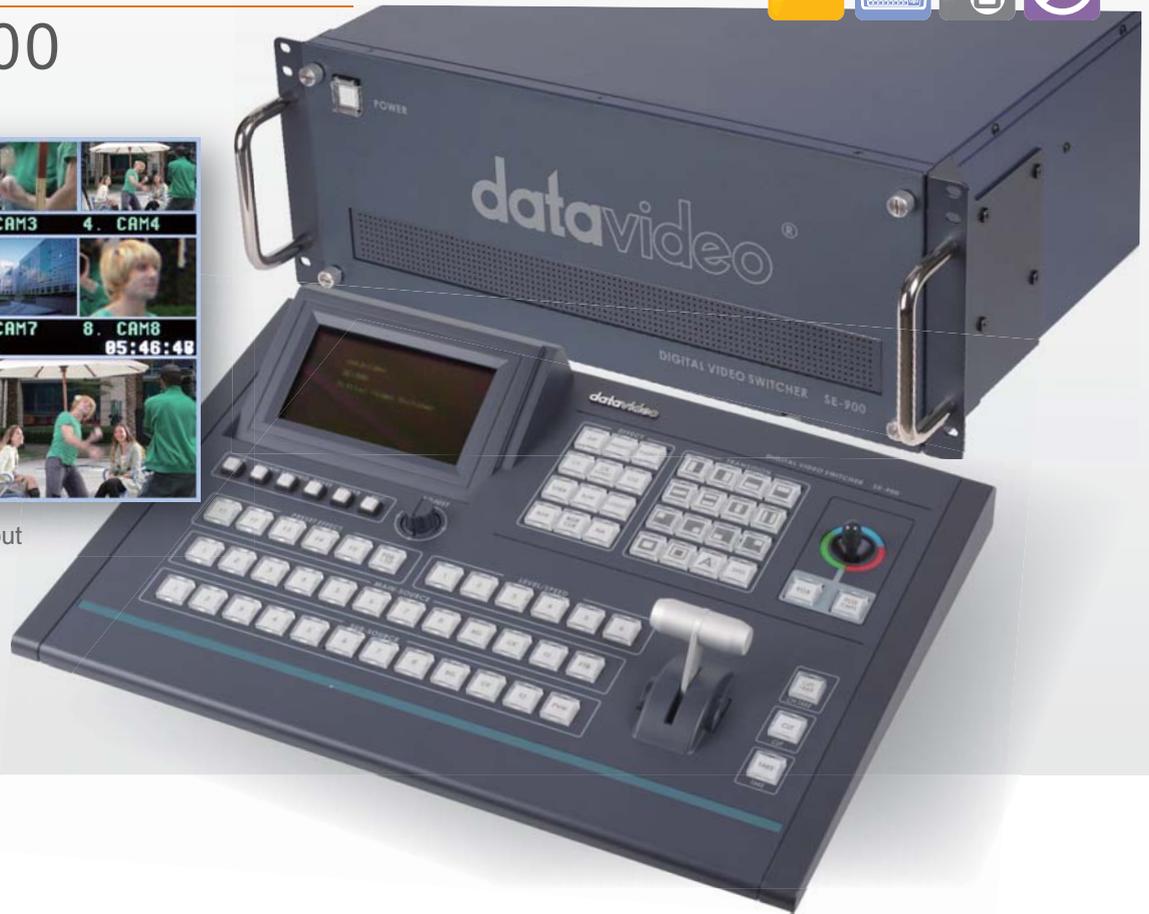**NVS-10**
Network Video Server

DIGITAL SD SWITCHER

SE-900

Multi Image Preview Output

Datavideo SE-900 is a modular 8-channel SD switcher with a feature set that may be expanded with additional input cards and accessories. The two piece unit consists of a 19-inch rack mountable main frame, that holds up to 8 input cards, and a control panel. The modular switcher accepts a mix of 8 SD input of your choice including DV, SDI, DVI, YUV and Composite Video. Standard outputs include DV, SDI, YUV, S-Video (Y/C) and Composite Video. SE-900 features a built in frame synchroniser and TBC for each channel for flicker free switching between all 8 inputs - in any format. Optional genlock input card is available for genlock to existing house reference. The preview output includes both next source and next effect, enabling the producer to preview any effects in confidence before "going live"SE-900 features a down stream keyer for easy integration with a character generator system. Such as Data-video CG-100. To accommodate for any delay in DV or SDI equipment SE-900 includes an audio delay function as well as a DV/SDI audio embedder.
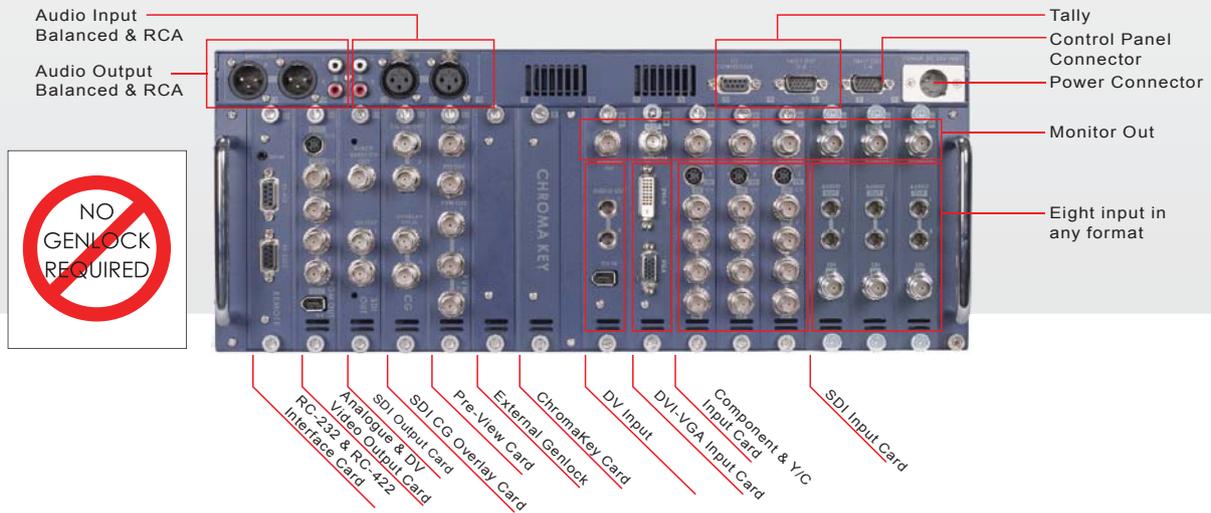
FEATURES

• Up to 8 inputs available for any format including SDI, DV, DVI, YUV, Composite Video

• Outputs include SDI, DV, YUV, S-Video (Y/C) & Composite Video

• Multi image preview panel allows the producer to monitor all live sources (up to 8 input) as well as Program & Next source

• Easy adjustable audio delay for perfect video/audio sync with DV & SDI sources

• SDI Audio embedder• Audio input & output includes RCA (phono) and balanced audio via XLR

•Optional dual chromakeyer, where each keyer can accept two foreground inputs and two background inputs.

• Picture in Picture

• Tally output

• GPI & RS-232 control interface for integration with existing equipment

• SDI Graphics overlay interface for optimal quality of character generator software such as Datavideo CG-100

.• No genlock is required for flicker free switching thanks to the built in frame synchronisers and TBCs

CONTROL PANEL VIEW

LCD Screen ensures easy and confident navigation of multi functions

Menu Control

Control buttons

Preset Keys

Main source bus

Sub-Source Bus

Sync Selector

Key Selector

Pre-View

Effect Selector

Transtion Selector

Joystick

PiP Position Selector

RGB Control Selector

Effect Speed Control Buttons

GPI Trigger

GPI Auto Take Button

Auto Take Button

T-Bar

Fade To Black

BASE UNIT REAR VIEW

Audio Input Balanced & RCA

Audio Output Balanced & RCA

NO GENLOCK REQUIRED

Tally

Control Panel Connector

Power Connector

Monitor Out

Eight input in any format

RC-232 & RC-422 Interface Card

Analogue & DV Video Output Card

SDI Output Card

SDI CG Overlay Card

Pre-View Card

External Genlock

ChromaKey Card

DV Input

DVI-VGA Input Card

Component & Y/C Input Card

SDI Input Card

FEATURES

Six pre-set keys, enabling the producer to set AUTO Take, Key or other pre-event.

Quick key for selection of Fade to Black

Joystick for RGB control or PiP position

Effect selector including PiP, Mosaic, Paint, Chromakey, Logo insert and much more

The bright LCD Screen ensures easy and confident navigation of multi functions for the producer in a live situation.

Ten quick selection keys for pre-set events & effects. Makes it easy to pre-program frequently used special effects.

Internal or External sync can be easily selected.

Easy installation of optional cards including SDI, DVI, Down Stream Keyer, Genlock in and more

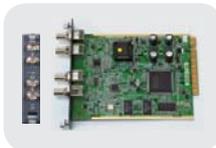Audio Delay

Multi Image Preview
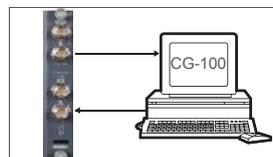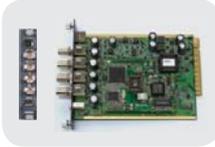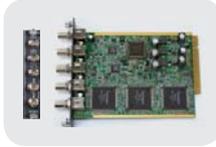

CG & DSK in

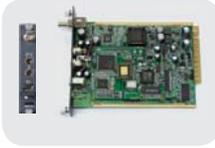2 x Tally interface

SE-900 Boards
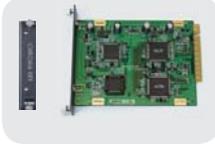
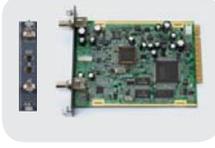### INCLUDED

RS-232/RS-422
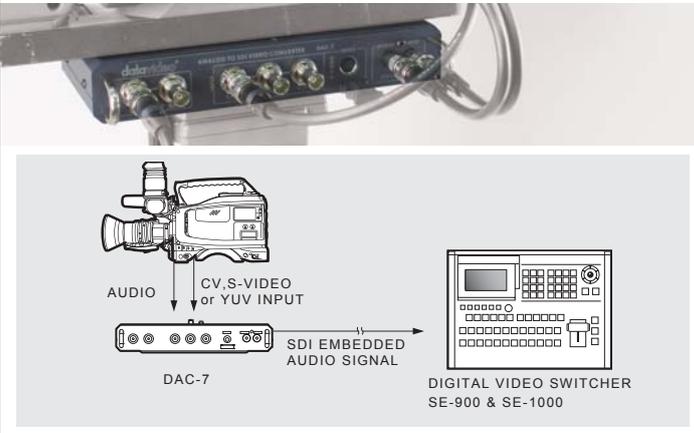
CG

YUV/DV OUT

PREVIEW

OPTIONAL

DV-IN

CV IN

CHROMAKEY

SDI-OUT

SDI-IN

DVI-VGA-IN
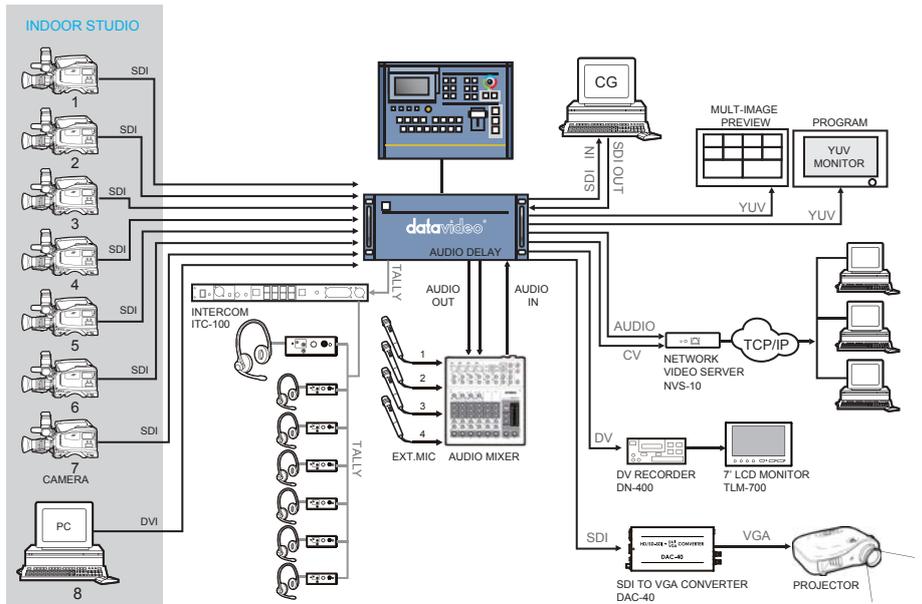
Optional converters

YUV to SDI Converter
DAC-7

AUDIO

CV,S-VIDEO
or YUV INPUT

DAC-7

SDI EMBEDDED
AUDIO SIGNAL

DIGITAL VIDEO SWITCHER
SE-900 & SE-1000

Application & Setup Diagram

Studio System Setup

INDOOR STUDIO

1 SDI
2 SDI
3 SDI
4 SDI
5 SDI
6 SDI
7 SDI
CAMERA

PC

DVI

INTERCOM
ITC-100

TALLY

TALLY

EXT.MIC AUDIO MIXER

1
2
3
4

CG

SDI IN

SDI OUT

AUDIO DELAY

AUDIO
OUT

AUDIO
IN

MULT-IMAGE
PREVIEW

PROGRAM

YUV
MONITOR

YUV

YUV

AUDIO

CV

NETWORK
VIDEO SERVER
NVS-10

TCP/IP

DV

DV RECORDER
DN-400

7' LCD MONITOR
TLM-700

SDI

SDI TO VGA CONVERTER
DAC-40

VGA

PROJECTOR

8

Chromakey Studio Setup

VIRTUAL MULTI-CAMERA STUDIO

TD-1 TALLY LIGHT x 4

TALLY OUT

1~4

TALLY BOX

TB-5

1 SDI
2 SDI
3 SDI
4 SDI
CAMERA

Back Ground Source

CV
CV
CV
CV

CP-100

EXT.MIC AUDIO MIXER

1
2
3
4

AUDIO
OUT

AUDIO
IN

CG

SDI IN

SDI OUT

AUDIO DELAY

MULT-IMAGE
PREVIEW

PROGRAM

YUV
MONITOR

YUV

YUV

AUDIO

CV

NETWORK
VIDEO SERVER
NVS-10

TCP/IP

DV

DV RECORDER
DN-400

7' LCD MONITOR
TLM-700

4 DV | Y:U:V | Y/C & Composite Video Switcher

SE-800

FEATURES

Datavideo SE-800 is a four channel audio and video switcher where producers can combine a mix of different SD formats including DV25 (Firewire), Component (Y:U:V), S-Video (Y/C) and Composite video and stereo audio connections (In and Out).Analogue and Digital Inputs can be used in any combination together. SE-800 provides a combination of DV25 (Firewire), Component (Y:U:V), S-Video (Y/C) Composite video, as well as SDI output. The SE-800 provides a standard Composite Video loop out on each channel, enabling the producer to monitor each input source. SDI overlay is built in for Character Generator Datavideo's CG-100 CG software. 6 Channel stereo mixer with advanced audio delay feature for perfect synchronising between video & audio. Dual channel TBC and 4:2:2 frame synchroniser ensure no genlock is required for flicker free switching or mixing, even with different video formats, e.g. Composite Video and DV Ideal for TV Studios, Outside Broadcast, Conference, Worship and Web Casting applications.

LCD MONITOR HOLDER (OPTIONAL)

TLM-702
TLM-404
SE-800
TLM-407JF

TLM-702
TLM-404
ITC-100
SE-800
TLM-433JF

FEATURES

FRONT

Audio delay
Adjustable audio delay, for frame accurate and perfect synchronising between video and external audio

Joystick
Control white balance, picture in picture or Mosaic on screen location. All settings are saved on power off.

Audio Mixer
6 Channel stereo mixer for mixing the video audio with house audio or AUX inputs (e.g. CD, MD, DAT) or Microphone

Input Selector
Main and Sub bus selector. Cut direct between sources via the main bus

Colour Processor
Brightness, Contrast & Colour setting. Active with power off memory for each channel

Effect transitions
50+ Digital effects including Fades, Wipe, Dissolves, Zooms etc.

Preset keys
30 quick selection keys for preset event & effects, make it easy to pre-program special frequently used effects

REAR VIEW   SE-800DV

GPI Interface
Control via GPI interface 30 preprogrammed effects
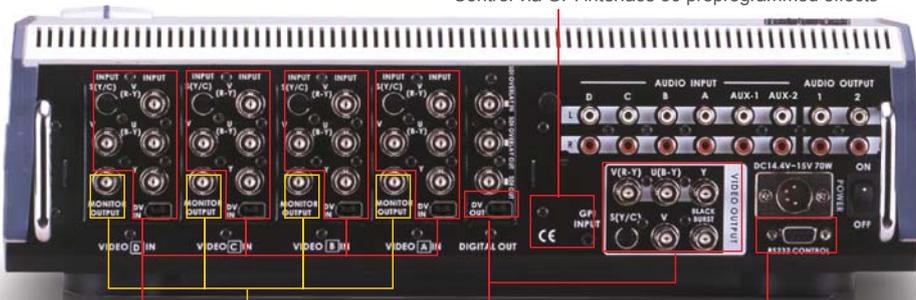
Video Input
Four video signal, each with option for DV25, Component Y:U:V, S-Video (Y/C) and Composite Video
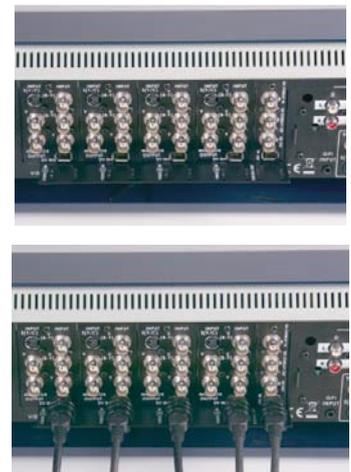
Monitor Output
Each input is looped through to a Composite Video monitor to assist the producer

Video Output
Simultaneous output of SDI, Component Y:U:V, DV25, S-Video (Y/C) & Composite Video

RS-232 Interface
Connect Datavideo's external control boxes (RMC-90, RMC140 & RMC-120). Control protocol available online for connection to presentation software or integration controllers.
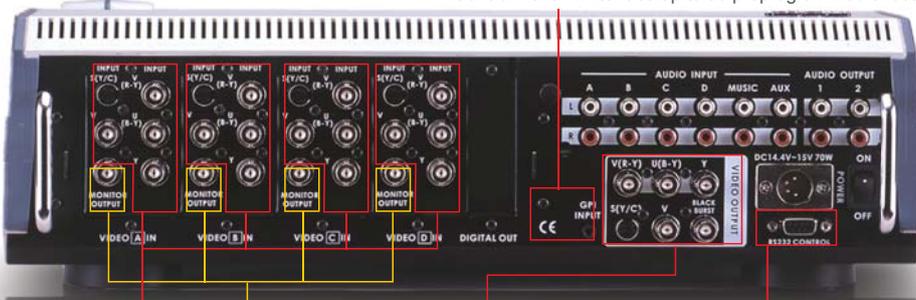
REAR VIEW   SE-800AV

GPI Interface
Control via GPI interface up to 30 preprogrammed effects.

Video Input
Four video signal, each with option for Component Y:U:V, S-Video (Y/C) and Composite Video

Monitor Output
Each input is looped through to a Composite Video monitor to assist the producer

Video Output
Simultaneous output of Component Y:U:V, S-Video (Y/C) & Composite Video

RS-232 Interfacs
Connect Datavideo's external control boxes (RMC-90, RMC140 & RMC-120). Control protocol available on-line for connec-tion to presentation software or integration controllers.

DV Input
SE-800DV provides users with four DV25 input via powered FireWire connector. DV25 provides optimal picture quality while at the same time easy installation and no quality loss using long cabling
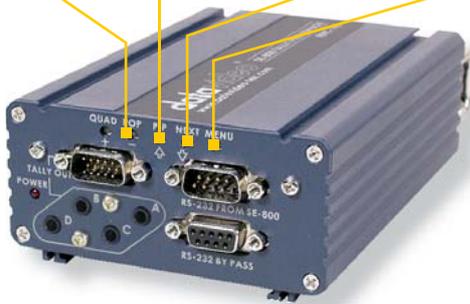
NO GENLOCK REQUIRED

NO Genlock Required
No Genlock is required thanks to SE-800's built in dual channel TBC and 4:2:2 frame synchroniser ensuring flicker free switching or mixing, even with different video formats, e.g. Composite Video and DV

ACCESSORIES (OPTIONAL)

### Next Source/Tally Box   RMC-140

QUAD   POP   PIP   NEXT

Designed specifically for the SE-800, the RMC-140 provides four different combinations of preview that include Quad, POP, PIP and Next. It provides 15 pin and 4 x 3.5mm tally light outputs. With Datavideo 50 metre tally cable (CB-1) and tally adapter (TD-1), you can easily supply tally information to the camera crew, even with general DV camcorders
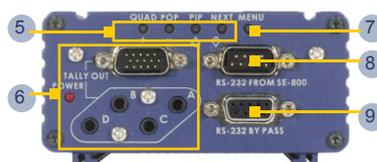
■ APPLICATIONS
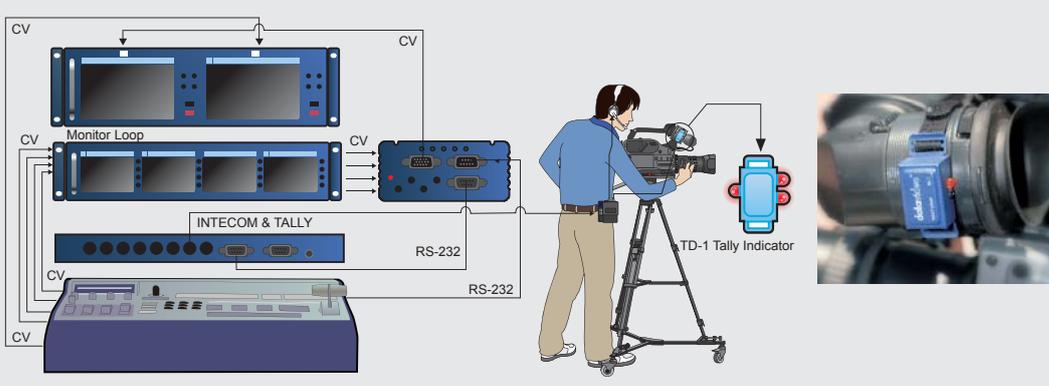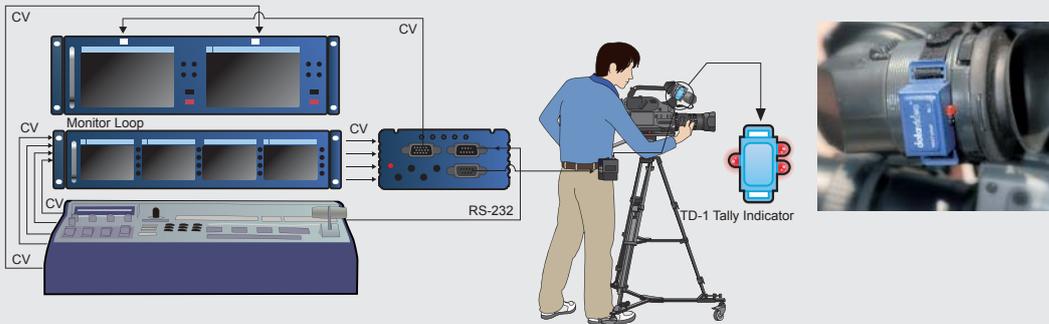
OVERVIEW
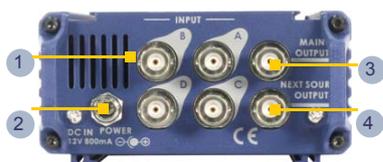
1	4 x Composite Video Input	5	Output option selector (Quad,POP,PIP,and Next)
2	Power (DC12V)	6	Tally light output (15pin & 3.5mm jack)
3	Monitor output (Quad,POP,PIP,and Next)	7	Menu selector
4	Full Screen preview with tally indication	8	RS-232 control input.
		9	RS-232 control output

ACCESSORIES (OPTIONAL)
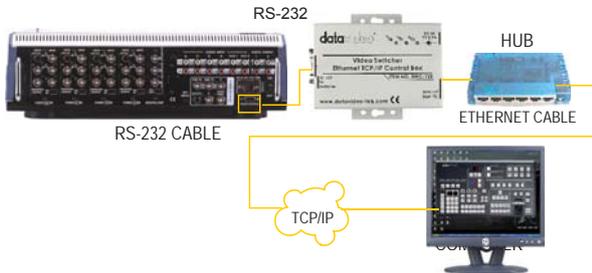
Ethernet remote controller
RMC-120

SYSTEM REQUIREMENTS

- CPU: Pentium 4, 2.4GHz
- RAM: 512MB RAM
- Screen Resolution: 1024x768
- OS: Windows XP

PC/Network control box allows full control of SE-800 via Datavideos free software (Available online via our website)

Network Video Server
NVS-10

■ **FRONT VIEW**

■ **REAR VIEW**

Easy plug and play solution for streaming live audio & video in MPEG-4 format through a Ethernet network. Fully compatible with Windows browser IE 6.0 or above on PC.

SWITCHER
VIDEO   STEREO AUDIO
NVS-10 SERVER
TCP/IP
PC   PC   PC

■ APPLICATION

RS-232
HUB
ETHERNET CABLE
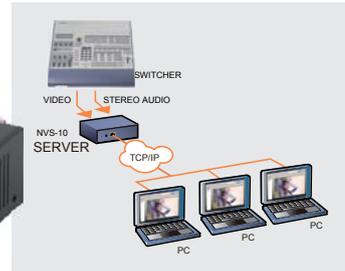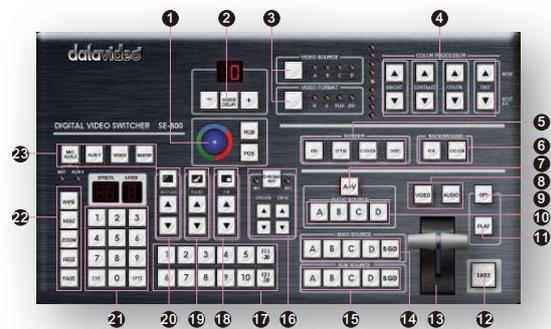RS-232 CABLE
TCP/IP
COMPUTER

■ REMOTE CONTROL SOFTWARE

Connect The SE-800 direct to a RS-232 port or a Ethernet port on a Computer and control the switcher using special computer software

RS-232

Free download from http://www.datavideo.info/products/rmc120.htm

■ SE-800 Remote control software

DIGITAL VIDEO SWITCHER   SE-800

1 Joy stick and mode selector
2 Voice sync adjustment
3 Video input format selector
4 Color processor
5 Border control
6 Background control
7 Audio follow video switch
8 Transition source selectors
9 GPI function on/off button
10 Audio channel selectors
11 Play F1 to F30 by sequence
12 Take function key
13 T-Bar
14 Main video source selectors
15 Sub video source selectors
16 Chroma key control
17 Preset Banks F1 to F30
18 Video effects: Picture in Picture
19 Video effects: Paint controls
20 Video effects: Mosaic controls
21 Numeric Keypad
22 Transition effects.
23 Audio channel selectors

INCLUDED

Bespoke Aluminium Accessory Case

ACCESSORIES (OPTIONAL)

TLM-404
4 x 4" TFT LCD Monitor Bank

TLM-702
2 x 7" TFT LCD Monitor Bank

DN-400/ DN-500
DV hard drive player & recorder with exchangeable hard drives

ITC-100
8-Channel Intercom/ Talk-back system

CG-100
SDI Character Generator software

VP-314
DV Repeater

MP-6000
DVD Recorder

1066/2066
20 meter 6pin - 6pin DV25 Cable

CB-10
3m HD/SD Y:U:V Cable
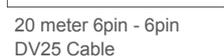
BAC-03
Balanced Audio Converter
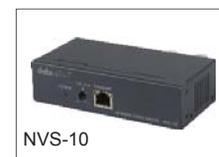
NVS-10
Network Video Server

S-Video (Y/C) & CV

SE-500

ACCESSORIES (OPTIONAL)

TLM-702 2 x 7" TFT LCD Monitor Bank

TLM-702 Monitor Bank Holder

SE-500 Quad Screen

Superimposed tally & Next effect indicator

The SE-500 uniquely display all four input sources via a single quad output

Transition effects display

The Datavideo SE-500 is a compact and light weight, four channel analogue input, digital processing video switcher with S-Video (Y/C) and Composite Video inputs. In addition to S-Video and Composite Video, the SE-500 also provides Component (Y:U:V) output. The SE-500 is ideal for applications within Education, Seminars, Small Studios,Clubs,Pubs and many more. The SE-500 uniquely display all four input sources via a single quad Output,including a superimposed tally indicator on each input, meaning you only need two video monitors - one for all four inputs, one for output. The input display will automatically change to preview the next transition. Features include Dissolve, Fade, Wipes, Splits, PiP and Colour Processor. Channels are internally synched via a built in dual Channel TBC 4:2:2 frame synchroniser. The SE-500 can be manually operated or controlled via RS-232 & MIDI interface. Using Datavideo DAC-6 (DV to Composite, Y/C & Component Y:U:V converter) VP-314 (DV Repeater), and 10 or 20 Meter DV Cable, it allows connection of DV equipment such as DV Camcorders or Tape machines up to 160 meters away.

FEATURES

- Digital Processor, high image quality
- Illuminated control buttons
- T-Bar control of digital video effect transitions
- Four selectable S-Video (Y/C) or Composite video inputs
- Optional Y:U:V via breakout cable
- RS-232 Remote control interface
- MIDI Control interface
- Tally output
- Audio mixer with two Microphone channels and one auxiliary input
- Colour processor for video correction
- Quad video preview monitor output with tally indicators on TV screen
- Digital video effects Split, PiP, Wipe, Fade and Quad display effect

FEATURES

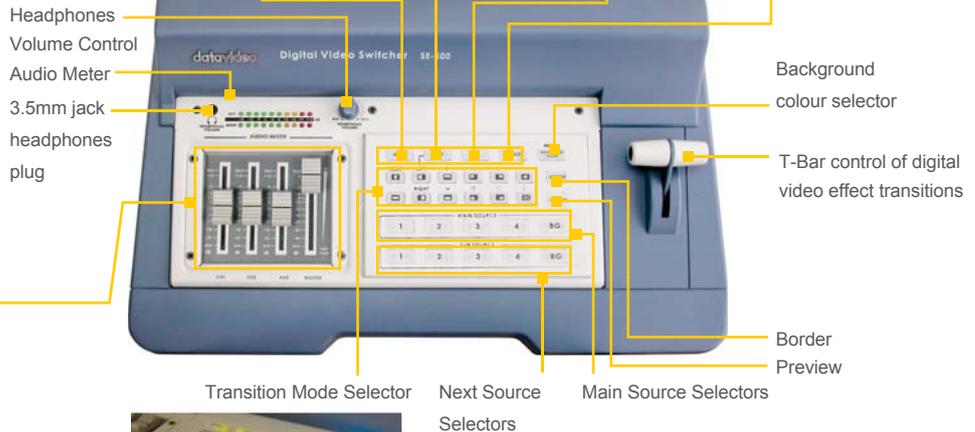Digital Processor, high quality

Colour processor for video correction

Built in audio mixer with two microphone channels, one auxiliary video source input
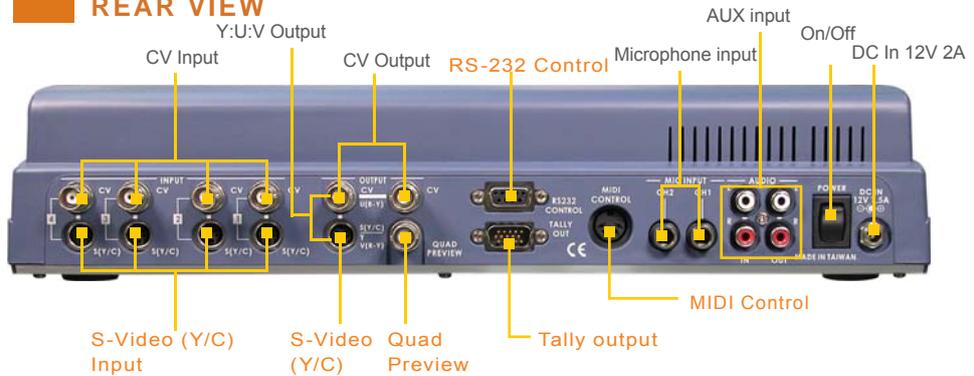
Special effect selector

| QUAD | SPLIT | PIP | FREEZE |

FRONT VIEW

Headphones
Volume Control

Audio Meter

3.5mm jack
headphones
plug

Background
colour selector

T-Bar control of digital
video effect transitions

Border

Preview

Transition Mode Selector

Next Source
Selectors

Main Source Selectors

Backlit Control Panel

Ideal when working in
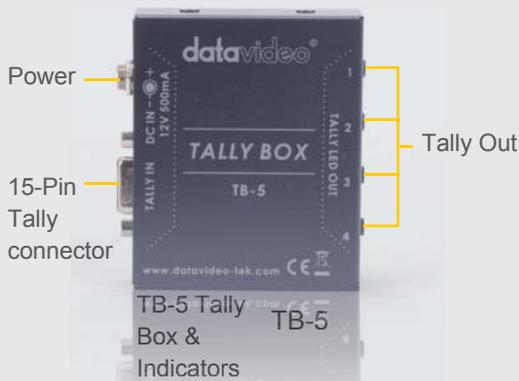dark locations

NO GENLOCK REQUIRED

No Genlock is required thanks to SE-500's built in dual channel TBC and 4:2:2 frame synchroniser ensuring flicker free switching or mixing, even with different video formats, e.g. Composite Video and DV
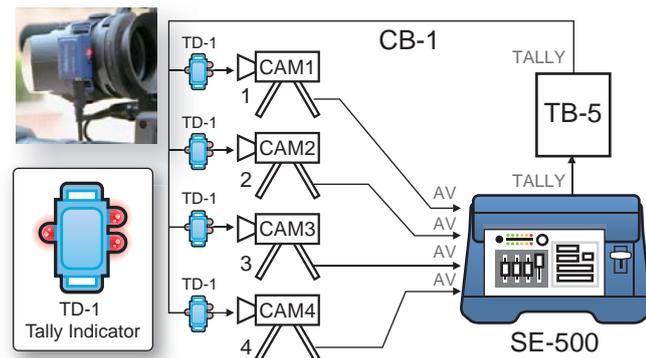
REAR VIEW

Y:U:V Output

CV Input

CV Output

RS-232 Control

AUX input

Microphone input

On/Off

DC In 12V 2A

MIDI Control

S-Video (Y/C)
Input

S-Video
(Y/C)

Quad
Preview

Tally output

ACCESSORIES (OPTIONAL)

TB-5 TALLY BOX & INDICATORS (OPTIONAL)

Power

15-Pin
Tally
connector

Tally Out

TB-5 Tally
Box &
Indicators

TB-5

TB-5 Tally Box & Indicators

TD-1

CAM1

1

TD-1

CAM2

2

TD-1

CAM3

3

TD-1

CAM4

4

CB-1

TALLY

TB-5

TALLY

AV
AV
AV
AV

TD-1
Tally Indicator

SE-500

ACCESSORIES (OPTIONAL)

Ethernet Remote Controller   RMC-150

RMC-150 Ethernet Remote Control box is a PC/Network control box. Allows full control of SE-500 using Datavideos free software (Available on-line via our web site)

■ **REAR VIEW**

■ **Connection Diagram**

COMPUTER

RS-232

RS-232 CABLE

HUB

TCP/IP

ETHERNET CABLE

■ **Remote control software**

Connect The SE-500 direct to a RS-232 port on a Computer and control the switcher using special computer software

System Requirements
■ CPU: Pentium 4, 2.4GHz
■ RAM: 512MB RAM
■ Screen Resolution: 1024x768
■ OS: Windows XP

Free download from http://www.datavideo.info/products/rmc150.htm

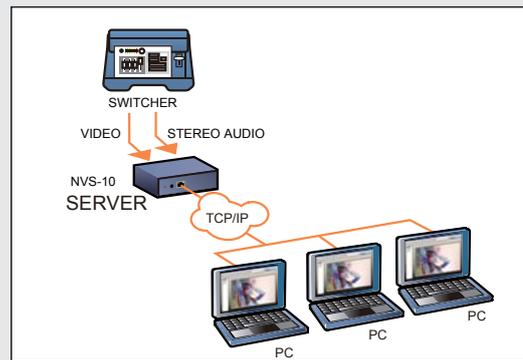### Network Video Server   NVS-10

■ **FRONT VIEW**

■ **REAR VIEW**

Easy plug and play solution for streaming live audio & video in MPEG-4 format through a Ethernet network. Fully compatible with Windows browser IE 6.0 or above on PC.

SWITCHER

VIDEO   STEREO AUDIO

NVS-10
SERVER   TCP/IP

PC

PC

PC

ACCESSORIES (OPTIONAL)

DN-400
Removable Hard Drive Digital Video Recorder

DN-500
Removable Hard Drive Digital Video Recorder

MP-6000
DVD+R/ RW Recorder/player

CP-100
Mpeg1/Mpeg2 Player

BAC-03
Balanced/ Unbalanced Audio Converter

ITC-100
Intercom System

TLM-702
2 x 7" TFT LCD Monitor Bank

TLM-702JF
TLM-702 Monitor Bank Holder

DVK-100
Dual Colour Chromakey System

CKL-200
Affordable Chromakey

TB-5
Tally Box for SE-1000

CB-1
50m 3.5 mm tally extension cable

RMC-150
Ethernet Remote Controler

NVS-10
Network Video Server

DAC-6
DV to Composite, Y/C & Component Y:U:V Converter

INTERCOM SYSTEM

ITC-100

Good communication is vital in any production studio, keeping communication between the director, cameramen, lighting and control room is essential to produce a polished end result. The Datavideo ITC-100 Intercom system provides 8-Way talkback and tally indicators.

The producer can select to talk to an individual channel or to all channels simultaneously. High S/N ratio makes the communication crisp and clear.

The ITC-100 is a standard 19"/1U rack design, so it is easy to integrate into any rack system for using in the field or studio.

FEATURES

■ Industry Standard 19"/1U rack design, for easy integration

■ Supports 8-Way Intercom (standard package includes 4 sets of ITC-100SL with belt-pack accessories)

■ Additional external earphone and microphone interface

■ Bi-colour tally light indicator

■ Selectable channel talk, broadcast to all or mute.

■ Enables clean and vital communication between the camera crew and the director

■ Communication distance up to 200 meters

■ Supplied complete with Gooseneck Microphone and Light

FRONT VIEW

POWER   MIC MODE   MIC/HEADPHONE   CALL   MUTE   SPEAKER   LIGHT

MIC   HEADPHONE   VOLUME   LIGHT

REAR VIEW

TALLY OUTPUT 1-8   TALLY B INPUT   TALLY A INPUT   DC IN 12V 1.5A

Connect SE-800 to ITC-100 through RMC-140,
to enable additional tally feature

| Program | Preview |

APPLICATION

ITC-100 INTERCOM SYSTEM

The ITC-100 is an intercom talkback system for EFP communication between the director and field cameraman. It supports full duplex talkback and tally indicator, so the director can confidently manage the camera crew in the field

Intercom   Tally

The ITC-100 is supplied complete with 4 sets of ITC-100SL. Optional ITC-100SL to support up to 8 channels.

ACCESSORIES (INCLUDED)

ITC-100SL
Belt Pack
4 x ITC100SL Camera man unit including bespoke carrying case

CB-3
Cabling
4 x 20m XLR to XLR Intercom Cable

TD-1
Tally Indicator
Supplied with 4 x Camera mountable tally light indcators with bi colour LED for camera and actor indicator

CB-7
1.2 Meter tally cable
Connection TD-1 tally indicator with ITC-100 belt pack

MC
Headset
ITC-100 comes supplied with four sets of standard Hetset.

MC-1/ LP-1
Light & Microphone
XLR Gooseneck Microphone & XLR Gooseneck Light.

INTERCOM BELTPACK   ITC-100SL

Call Push Button

Tally Indicator

Talk Button

Headset Volume

Headset with microphone

TD-1 Tally Indicator

Optional phone headset

REAR VIEW

5 Pin XLR connector provides the belt pack with bi-directional communication, tally signal and power in one cable

TALLY LIGHT INDICATOR   TD-1

Dual tally light to assist the person in front of the camera

Camera Man

TD-1 Tally light provides the cameraman as well as the "actor in front of the camera with clear information on live camera and "next to go live" camera

Red - Selected as MAIN source

Amber Selected as SUB source

▪ AFFORDABLE CHROMAKEY

DVK-100

The Datavideo DVK-100 is a two camera live entry level, stand alone Chromakey solution designed for education, small studios, wedding videographers small studios, wedding videographers and smaller production companies.
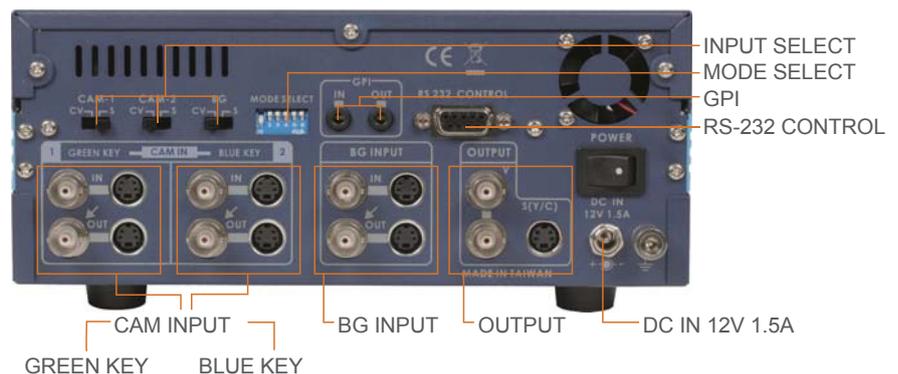
The DVK-100 enables you to create virtual studio effects without spending large sums of money, simply by combining a single colour background (Blue or Green is the best.), two video cameras and proper lighting.

Available to support either PAL or NTSC video standards (separate units), the DVK-100 features three composite and S-Video (Y/C) inputs allowing for dual camera and separate background connectivity.
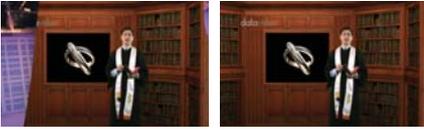
▌ FEATURES

- ▪ Two Camcorder inputs for foreground, and one background input

- ▪ Key out background colour selectable (Blue, Green or Luminance)

- ▪ Key out level adjustable to reduce the shadow after keying

- ▪ S (Y/C) and Composite Video input and output

- ▪ Window adjustable to fit in different sizes of background screen

- ▪ Built in shrink function (reduce white or black colour edge on subject)

- ▪ Built in colour processor, brightness, contrast, colour and tint adjustable (tint is NTSC only)

- ▪ Built in TBC

- ▪ RS-232 interface for control from other RS-232 devices

- ▪ Perfect partner for CKL-100 Dual Colour Light Ring & Retro Reflective Cloth (see page 34 & 35)

▌ REAR PANEL

INPUT SELECT
MODE SELECT
GPI
RS-232 CONTROL

CAM INPUT   BG INPUT   OUTPUT   DC IN 12V 1.5A

GREEN KEY   BLUE KEY

FEATURES

APPLICATION

Window Size

The window size can be set to remove any unwanted items from the foreground image. Often your backdrop does not fill the whole screen, particularly if you want your subject to appear small in the finished image. You can use the Up / Down / Left / Right arrows to make the keying window smaller so that only your backdrop is being keyed.

Edge Shrink Functions.

Even with perfect lighting you will occasionally have a subject that still has a dark edge even when you have set the Green Keying and Density Levels correctly. This is why the DVK-100 has Left and Right Edge Shrink functions.

Spill Adjustment

The final setting in any Chromakey is the Spill Adjustment. Often, the green / blue backdrop can cast an unwanted colour cast on the subject. DVK-100 features an advanced Spill Adjustment enabling you to remove this unwanted cast.

Subject Density.

This adjustment will make your subject more or less opaque / transparent; you can use this as a feature in your chroma key where your subject will become more or less defined.

Two Camcorder Input

The DVK-100 has two camera inputs (foreground sources) each of the inputs can be set to S-Video (Y/C) or Composite Video. Switch between the two inputs direct on DVK-100 selector buttons, via GPI or RS-232.

RS232 Remote Interface

The DVK-100 can be fully controlled via RS232

Settings Lock

Once you have set all the parameters of the DVK-100 to produce the perfect effect from both of your cameras you can lock the settings. Once locked none of the DVK-100 front panel controls will respond

BEFORE LOCK   AFTER LOCK

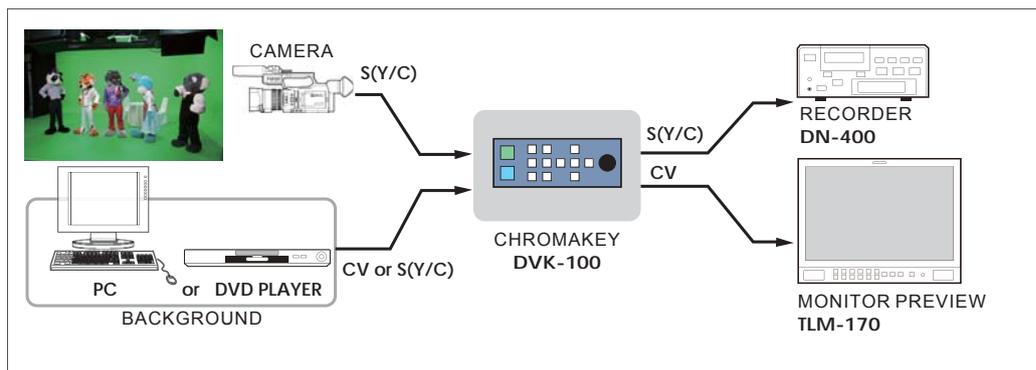News & Weather Forecast

Shopping & community channel

Wedding & Event

Entertainment

SETUP EXAMPLE

CAMERA

S(Y/C)

RECORDER
DN-400

S(Y/C)

CV

CHROMAKEY
DVK-100

CV or S(Y/C)

MONITOR PREVIEW
TLM-170

PC   or   DVD PLAYER

BACKGROUND
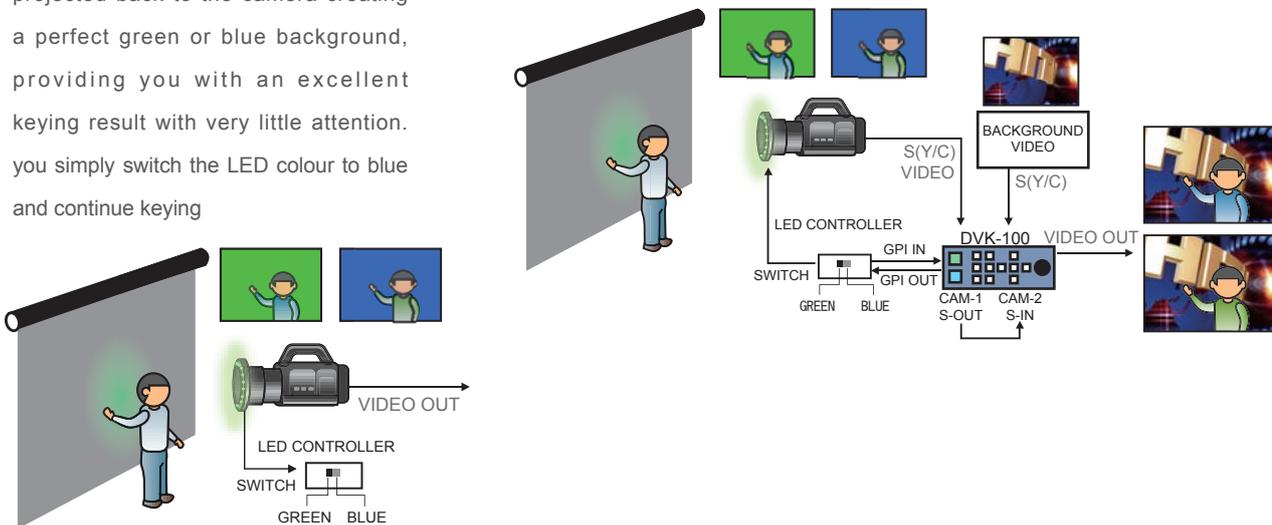
DUAL COLOUR CHROMAKEY SYSTEM

CKL-200
LD-1+RF-1225
A Chromakey Studio has just become easy and affordable

Datavideo CKL-200 is a combination of a dual colour (green & Blue) LED ring and a unique retro-reflective backdrop cloth, which is embedded with tiny glass beads. The LED light ring is mounted on the lens of the camera, and projects a highly directional green or blue light on the backdrop cloth. Thanks to the embedded glass beads, light is then projected back to the camera creating a perfect green or blue background, providing you with an excellent keying result with very little attention. you simply switch the LED colour to blue and continue keying

FEATURES

■ 2 x 1.25m(w) x 2.5m(h) retro-reflective back drop with Velcro on the left and right hand side allowing users to use either one cloth on its own, or join them together to form a single 2.5m x 2.5m background (approx).

■ Dual colour Green & Blue LED ring

■ Perfect light return up to 75° off axis

■ Power Supply with LED brightness adjustment

■ Remote control integration with Datavideo DVK-100 (see page 38)

■ LED light ring lens size 72 mm
   (Additional stepping rings from 52mm to 82mm avail able from your reseller)

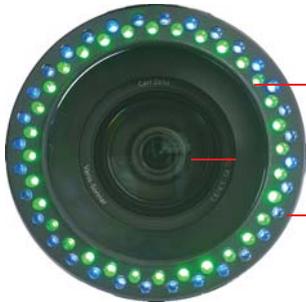■ DC 12V operated perfect for mobile applications

POWER SUPPLY & LED LIGHT RING

LD-1

LED LIGHT RING
Dual colour (Green & Blue) LED ring

Change chromakey setup from Green to Blue with a flick of a switch on the supplied LD-1 controller

POWER SUPPLY
Power supply with built in dimmer control for control of the brightness in the LED ring

FRONT VIEW

DC 12V 1.5A
Power connected to the LED ring
Control mode
GPI In/Out interface
Power Switch

REAR VIEW

Remote-control mode
External blue / green button remote control

Highly Retro-Reflective Cloth

RF-1225
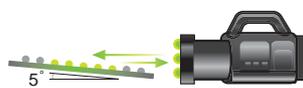
2.4m(Expandable)

2.5m

Highly retro-reflective material

Thanks to the retro-reflective material, with embedded glass beads, light from LED light ring is projected back to the camera (up to 75 degrees axis) creating a perfect green or blue background, providing you with an excellent keying result with very little attention.

Outer ring blue LED lights

5°

Expandable

1.2m   1.2m

DIMENSIONS

- LED lights effective range
  10 meters

- Dual Colour LED - Green & Blue

- LED light ring lens size 72 mm
  (Additional stepping rings from 52mm to 82mm available from your reseller)

- Retro-Reflective cloth   2.5 meter x 1.2 meters x 2

- Perfect light return up to 75° of axis

- DC power AC100~240V

- AC or DC 12V 1.5A

DUAL COLOUR CHROMAKEY SYSTEM

CKL-100
LD-1+RF-3025

Highly Retro-Reflective Cloth
RF-3025

3.0m

2.5m

A Chromakey Studio has just become easy and affordable

Led Light Ring
LD-1

Power Supply

Datavideo CKL-100 is a combination of a dual colour (green & Blue) LED ring and a unique retro-reflective backdrop cloth, which is embedded with tiny glass beads.

The LED light ring is mounted on the lens of the camera, and projects a highly directional green or blue light on the backdrop cloth. Thanks to the embedded glass beads, light is then projected back to the camera creating a perfect green or blue background, providing you with an excellent keying result with very little attention.
you simply switch the LED colour to blue and continue keying

- 3.0m(w) x 2.5m(h) retro-reflective back drop with Velcro on the left and right hand side allowing users to use either one cloth on its own, or join them together to form a single 2.5m x 2.5m background (approx).

- Dual colour Green & Blue LED ring

- Perfect light return up to 75° off axis

- Power Supply with LED brightness adjustment

- Remote control integration with Datavideo DVK-100 (see page 38)

- LED light ring lens size 72 mm
   (Additional stepping rings from 52mm to
   82mm avail able from your reseller)

- DC 12V operated perfect for mobile applications

SPECIFICATIONS

■ LED lights effective range 10 meters	■ Retro-Reflective cloth 2.5 meter x 3 meters
■ Dual Colour LED - Green & Blue	■ Perfect light return up to 75° of axis
■ LED light ring lens size 72 mm (Additional stepping rings from 52mm to 82mm available from your reseller)	■ DC power AC100~240V
	■ AC or DC 12V 1.5A

PROFESSIONAL DVD RECORDER

MP-6000

Supported Format

Format	Playback	REC
DVD +RW	O	O
DVD +R	O	O
DVD -R	O	
DVD -RW	O	
JPEG	O	
DVD Video	O	
Super VCD	O	
Video CD	O	
Audio CD	O	
CD-R	O	
CD-RW	O	

Directly copy from Betacam and DV tapes to DVD disc.

Datavideo MP-6000 is a professional quality DVD+RW based DVD recorder with DV in & out plus RS-232 control interface.

The unit incorporates a high performance MPEG-2 codec for real time recording of live audio/video material from camcorders, analogue VCRs, or other analogue or digital sources on to DVD+R/RW disc.

Inputs include: Component (Y:U:V), Composite Video, S-Video (Y/C) and DV25.

The MP-6000 has a heavy duty metal construction making it perfect for demanding applications

The control interface includes RS-232 and GPI for easy integration within existing applications.

FEATURES

- Real Time Stand Alone MPEG-2 Player/ Recorder
- DVD + R / RW Disc Recording
- Variable Bit Rate From 1.7 to 9.1 Mbps
- DV, YUV, S-Video (Y/C), Composite Video Inputs and Outputs
- DV Loop Through
- Large Illuminated Control Panel
- Balanced and Unbalanced Stereo Inputs and Outputs
- Built In Video Processor With Colour Correction
- Audio Level Control
- RS 232 Remote Interface
- Rack Mountable (3U High, 1/2 -19")
- DC 12V Power Supply Included

DVD+R/RW Recording Options

Setting	Mode	Rate	PAL	NTSC	4.7GB DVD+R/RW Disc
1	HQ	9.17Mbps	720x576	720x480	60MIN
2	SP	5.07Mbps	720x576	720x480	120MIN
3	LP	3.38Mbps	480x576	480x480	180MIN
4	EP	2.54Mbps	360x576	360x480	240MIN
5	SLP	1.69Mbps	352x288	352x240	360MIN

REAR PANEL

GPI remote control interface.

DV25 in & out

RCA (phono) audio
Composite Video & S-Video (Y/C)

Broadcast quality Y:U:V
in & out

RS-232 remote control
interface

DC 12V power ideal for
feild use or with Data-
video Mobile Video Stu-
dio

Balanced audio in / out

FEATURES

■ File names can be changed direct
on the unit (English only)

■ Simple to integrate menu struc-
ture recorded to each disk

SPECIFICATIONS

Video Input & Output

• IEEE1394 Fire Wire DV25 In & Out
(NTSC 4:1:1 - PAL 4:2:0: - DV25
Format)

• S-Video(Y/C) (DIN 4-Pin, 75ohm),
Y:1.0Vp-p, C:0.627Mvp-p

• Composite Video: 75ohm 1.0 Vp-p

• Component Y:U:V

• Black-Burst/Gen-lock out

• Bandwidth: 5.0MHz

• Noise ratio: 50 dB
• 4:2:2 Time Base Corrector

Digital and Analogue

Video Correction

• Brightness :+/-30%

• Contrast :+3/-6 dB

• Saturation:+6/-10 dB

• Hue :+/-20 (NTSC Only)

Audio In & Out

• Balanced (XLR)

• Un-Balanced (RCA)

• DV Sampling : 12-Bit
  32KHz or 16Bit 48KHz

• Bandwidth : 20-20KHz

• S/N Noise ratio : 65 dB

• Distortion rate : 0.1%

Video Recording

Features

• One Touch Recording (OTR)

• Erase Disk (RW disks only)

• Insert Index Point

• Index Menu

• Index Icon Pictures & Text can
easily be re-named (English)

Video Play Back

Features

• Play / Reverse Play

• Play All / Single Track /

• Play A to B

• Time Search

Control Interface

• RS-232 Feature - Pause, Record,
Play, Stop, Rewind & Fast forward

• GPI Feature - Start, Stop and
Pause

General specifications

• Width: 8"/205mm

• Height: 5.2"/132mm

• Depth: 9.8"250mm

• Weight: 3.7Kg

• DC Power: 12V 30W

Accessories

• DVD+RW Disc

• User Manual

• RCA Phono Audio Cable

• BNC TO BNC Video Cable

• FireWire 6-6-pin & 6-4-pin Cable

• 90-240V AC TO DC 12V Power
Supply

HD HDD RECORDER

HDR-100

The Datavideo HDR-100 is a hard drive based video recorder & player, with removable hard drive enclosure. Record from Standard and High Definition video equipment via SDI, Component (Y:U:V) or HDMI, all with a convenient loop through / pass through for monitoring. RS-422 and 232 device control is also utilised.

The HDR-100 provides a choice of recording format, both MPEG-II and HDV (.M2T) which work with a wide range of NLE and play out solutions.

The compact 2U design can be easily integrated with other equipment or can be used as a stand alone recorder/player in the studio or on location.

Once you have completed your recording, simply eject the hard drive carrier, and use USB-2 to connect to a PC or MAC based NLE system, (no extra power supplier required, as USB-2 provides power so its perfect for lap-top use in the field). You can work directly from the removable drive, or copy video files across to the NLE's video drives.

FEATURES

- HD-SDI & HD-YUV Video input
- HD-SDI/HD-YUV/HDMI output
- Embedded HD-SDI / HDMI Video with external audio
- Record format: 40Mbps MPEG2 (8 bit, 4:2:0) M2T. Compatible with most NLE systems.
- Hard drive enclosure include convenient USB 2.0 connector, simply connect to your computer - no power required.
- 2U Height meets to 19" standard rack mount
- Audio monitor function
- Mini XLR Interface, audio balanced input or output
- Support RS-422 and GPI control
- DC IN 12V
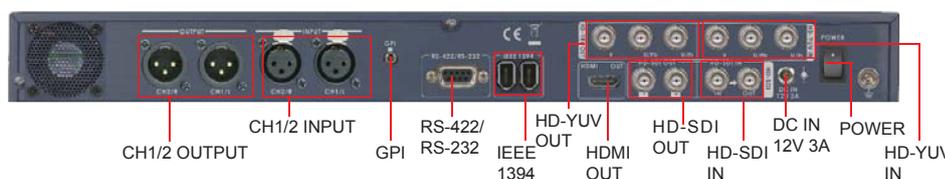
FRONT PANEL

DV OUT
VOLUME   AUDIO LEVEL   REMOVABLE HDD
OPERATION BUTTON

REAR PANEL

GPI   HD YUV IN
AUDIO IN/OUT   HD YUV OUT

RS-422   HDMI OUT   HD SDI IN   DC IN
IEEE 1394 IN/ HD SDI OUT   12V 3A
OUT

FEATURES

Audio monitor with Volume control and LED level display

Removable Hard disc

Rugged 2.5-Inch hard drive

USB Interface

USB

HARD DRIVE CARRIER

FRONT PANEL

HD/SD
POWER LED
TAPE

REAR PANEL

DC
USB
SATA

Once you have completed your recording, simply eject the hard drive carrier, and use USB-2 to connect to a PC or MAC based NLE system, (no extra power supplier required, as USB-2 provides power so its perfect for laptop use in the field).

You can work directly from the removable drive, or copy video files across to the NLE's video drives.

WORKFLOW

Lightweight easy to carry

Removable hard disk

USB

USB interface for connecting with PC or MAC based computer NLE systems

SPECIFICATIONS

Media format support:

• Photo
• JPEG (.jpg, .jpeg)
• Support photo resolution up to to 5120 x 3840
• Output resolution: 640x480

• Video
• MPEG1 (.mpg, .dat)
• MPEG2 (.mpg, .vob, .avi)

HD HDD RECORDER
HDR-200

The Datavideo HDR-200 is a hard drive based video recorder & player, with removable hard drive encloses. Record from High Definition and Standard Definition video equipment via SDI, Component (Y:U:V) or HDMI, all with a convenient loop through / pass through for monitoring. RS-422 and 232 device control is also utilised.

The HDR-200 provides a choice of recording format, both MPEG-II, and HDV (.M2T) which work with a wide range of NLE and play out solutions.

The compact 1U - 19inch, rack-mountable design can be easily integrated with other equipment on OB trucks, installations, or Datavideo's Mobile Video Studio range.

Once you have completed your recording, simply eject the hard drive carrier, and use USB-2 to connect to a PC or MAC based NLE system, (no extra power supplier required, as USB-2 provides power so it's perfect for lap-top use in the field). You can work directly from the removable drive, or copy video files across to the NLE's video drives.

FEATURES

- HD-SDI & HD-YUV Video input
- HD-SDI/ HD-YUV/ HDMI output
- Embedded HD-SDI / HDMI Video with external audio
- Record format: 40mbs MPEG2 (8 bit, 4:2:0) M2T. Compatible with most NLE systems
- Hard Disc case included USB 2.0 interface to NLE by Computer directly.

- 1U Height meets to 19" standard rack mount
- Audio monitor function
- Mini XLR Interface, audio balanced input or output
- Support RS-422 and GPI control
- DC IN 12V

FRONT PANEL

POWER · SCREEN · OPERATION BUTTON · AUDIO LEVEL · VOLUME · DV IN/OUT · REMOVABLE HDD

REAR PANEL

CH1/2 OUTPUT · CH1/2 INPUT · GPI · RS-422/RS-232 · IEEE 1394 · HD-YUV OUT · HDMI OUT · HD-SDI OUT · HD-SDI IN · DC IN 12V 3A · POWER · HD-YUV IN

HARD DISK

2.5" HD inside

USB Interface

USB

✚ Removable hard drive digital video recorders

DN-400

Tapeless, or file based, video acquisition is widely accepted as a replacement for existing tape based systems. Recording times are far longer than traditional tape. With Datavideo's DN-400 video is recorded as files, saving hours of capturing.

The DN-400 comes with a removable hard drive carrier (additional carriers are available). Once you have completed your recording, simply eject the hard drive carrier, and use USB-2 to connect to a PC or MAC based NLE system, (no power supplier required, as USB-2 provides power so its perfect for lap-top

use in the field). You can work directly from the removable drive, or copy video files across to the NLE's video drives.

A wide range of Video & Audio connectors on the DN-400 allow users to connect to analogue video sources (Composite Video, S-Video Component) or DV equipment.

FEATURES

■DV as well as analogue in and out including DV25, Component Y:U:V, S-video (Y/C) and Composite, each input with a convenient loop through for easy integration with existing equipment

■Record direct to a native video format including HDV (.M2T) & DV (.DV) while monitoring on an analogue monitor (DV only).

■Easy to use file conversion utility that allows quickly conversion into a native file format for almost any NLE platform including AVID, MATROX, CANOPUS, Final Cut Pro and many more.

■2.5-inch hard drive for recording in even the roughest conditions

■Easy connection via standard USB connector to any NLE system

■2U high with optional 19" rack wings for easy integration into existent equipment or use with Datavideo's mobile video studio solutions.

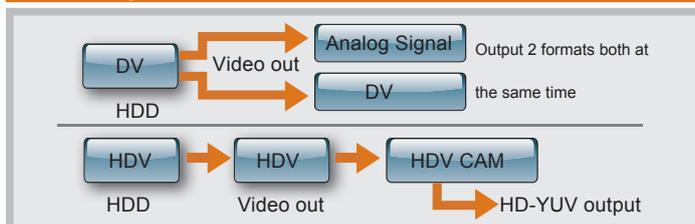■Confident Native DV & HDV recording while monitoring on a standard video monitor during recording(DV only).
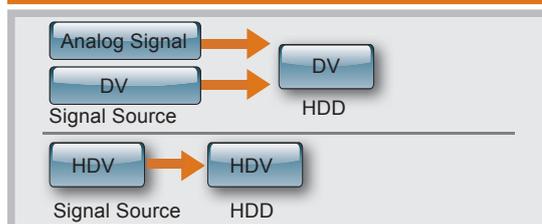
FRONT VIEW
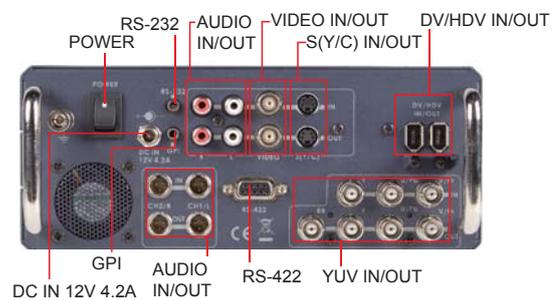
DV OUT VOLUME   DV OUT   AUDIO LEVEL   HDD   OPERATION BUTTONS

REAR VIEW

RS-232   AUDIO IN/OUT   VIDEO IN/OUT   DV/HDV IN/OUT
POWER   S(Y/C) IN/OUT

GPI   AUDIO IN/OUT   RS-422   YUV IN/OUT
DC IN 12V 4.2A

Playback mode

DV — Video out — Analog Signal   Output 2 formats both at
HDD   DV   the same time

HDV — HDV — HDV CAM
HDD   Video out   HD-YUV output

Video Recorder mode

Analog Signal — DV
DV   HDD
Signal Source

HDV — HDV
Signal Source   HDD

WORKFLOW

Lightweight easy to carry

Removable hard disk

USB

USB interface for connecting with PC or MAC based computer NLE systems

ACCESSORIES (INCLUDED)

HE-1
2.5" removable
Hard drive carrier

DV file conversion software   FC-01

In today's file based video recording, many video file formats a required. Datavideo provide with the DN-400 the FC-01, a software utility enabling users to quickly "wrap" files from one format to another, no conversion but a clever way of making video files native for the must popular NLE systems – or why not share already recorded stock footage between several platform (e.g. .AVI for PC to .MOV for MAC).
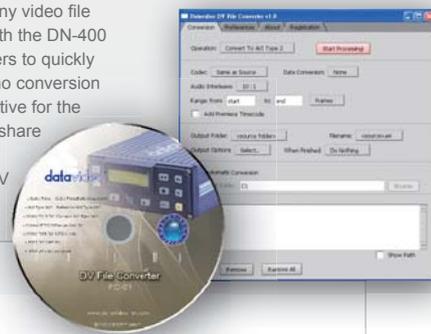
- Quick Time/Reference movie
- AVI Type 1&2   Reference AVI Type 1&2
- SONY ES-3 DV Canopus AVI Type 1&2
- Matrox RT2500/Design Suite DV

- SONY DSR DU-1 DV (.dvd)
- AVID DV OMF file
- RAW DV (.dv/.dif/.dvsd)

HDV HDD RECORDER

DN-500

■ Specifications same as the above DN-400

FRONT VIEW

POWER   SCREEN   OPERATION BUTTON   AUDIO LEVEL   VOLUME   DV IN/OUT   REMOVABLE HDD

REAR VIEW

GPI

CH1/2 OUTPUT   CH1/2 INPUT   YUV IN/OUT   RS-422   DV/HDV IN/OUT   S(Y/C) IN/OUT   VIDEO IN/OUT   AUDIO IN/OUT   RS-232   DC IN 12V 4.2A

DIMENSIONS

Dimensions:
478 x 240 x 42 (mm)

Weight:
3.5 kg

Power:
110/220V

Voltage:
100-240V, 50-60HZ

DV & HDV HDD RECORDER

DN-300

Native DV - .dv
Native HDV .M2T

FEATURES

- 3.5" 250GB Harddrive - record more than 18 hours.

- DV as well as analogue in and out including; DV25, Component Y:U:V, S-video (Y/C) and Composite, each input with a convenient loop through for easy integration with existing equipment

- Record direct to a native video format including HDV (.M2T) & DV (.dv) while monitoring on an analogue source

- Easy to use and navigate thanks to standard VCR control panel

- Can record and play back up to 99 tracks

- Support for DV Time Code

- RS-422 Control interface for machine control

- GPI Control interface

- DC 12V Power Supply perfect for field use or with Datavideo's Mobile Video Studio

ACCESSORIES
(INCLUDED)

REAR PANEL

Component Y:U:V Input & Output
Grounding terminal

Composite Video & S-Video (Y/C) Input & Output

GPI Remote Control Interface

DV In & Out

Analogue Audio In/Out

DC power 12V 4.2A

RS-232 interface

Power ON/OFF
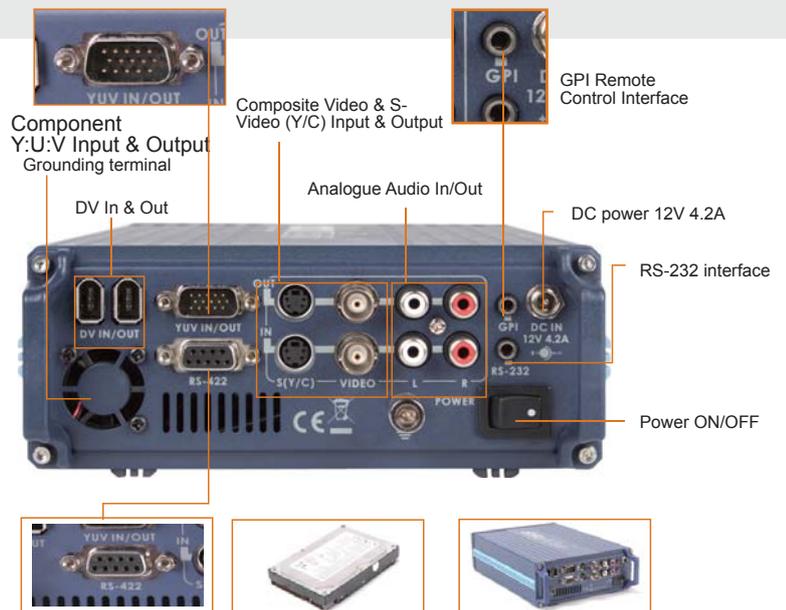
RS-422 Control interface for machine control

3.5-inch 250GB Harddrive - record more than 18 hours.

DN-300 is built in a strong metal housing for field use

DV file conversion software FC-01

- Quick Time/Reference movie
- AVI Type 1&2   Reference AVI Type 1&2
- SONY ES-3 DV   Canopus AVI Type 1&2
- Matrox RT2500/Design Suite DV
- SONY DSR DU-1 DV (.dvd)
- AVID DV OMF file
- RAW DV (.dv/.dif/.dvsd)

FEATURES

Tapeless

■ Take advantage of tapeless acquisition in even the roughest conditions

■ Record in DV & HDV using the DN-300, and make capturing a thing of the past

■ Confident Native DV & HDV recording while monitoring on a standard video monitor during recording (DV only)

Direct to Timeline

■ Compatible with most NLE computer based systems

■ Full support for original DV timecode

■ Drag and Drop direct to timeline or transfer to the computer in 16 times realtime

■ Native file format include: .dv, & M2T

Reduce cost of Tape

■ Continuous recording for up to 18-hours without tape

■ Record direct to a hard drive without tape

■ Connect direct to a computer based editing system via Firewire

■ Recorded files can playback to a standard monitor or viewfinder on your camcorder

■ Up to 99 track recording for easy navigation and playback

■ Seamless repeat loop playback ideal for presentation (e.g. tradeshow or in-shop promotion with instant access to files.)

AUDIO/ VIDEO PLAYER MODE

Playback mode

DV — HDD
Video out
Analog Signal — Output 2 formats both at
DV — the same time

HDV — HDD
HDV — Video out
HDV CAM
HD-YUV output

Video Recorder mode

Analog Signal
DV — Signal Source
DV — HDD

HDV — Signal Source
HDV — HDD

SPECIFICATIONS

Supported Video Formats
• NTSC-DV 25Mbps, 8-bit Y.U.V 4:1:1
• PAL-DV 25Mbps, 8-bit Y.U.V 4:2:0
• HDV 1080i/60 25Mbps, 8-bit Y.U.V 4:2:0
• HDV 1080i/50 25Mbps, 8-bit Y.U.V 4:2:0

Supported File Formats
• HDV: .M2T
• SD DV: .dv

Analogue video format
• Composite Video: 75 ohm 1.0Vp-p
• S-Video (Y/C): 4-pin DIN, 75 ohm,
Y:1.0Vp-p,C:0.627mVp-p
• Component Y,R-Y,B-Y(BNC 75 Ohm)
• Bandwidth > 5.0MHZ
• Noise ratio > 50db
• DA, DP < 3%, 3 degree

Digital and analogue video correction
• Brightness ±30
• Contrast ±6dB
• Saturation +6dB / -10dB
• Hue ±20 (Only NTSC)

Digital Audio
• Embedded 2-ch (16-bit, 48kHz) or
• 4-ch (12-bit, 32kHz via Fire Wire/IEEE-1394 input) or
  2-ch (12-bit, 32kHz via Analogue input)

Analogue Audio
• Unbalanced Audio In/Out : +10dB (Maximum)
• Bandwidth: 20~20KHz
• Noise ratio >65dB
• THD < 0.3%

RS-422 & GPI Control Interface
• SONY Standard RS-422 Interface
Power / Dimension / Weight
• DC12V 4.2A
• 170mm (W) x 250mm (D) x 70mm (H)
• 2.5kg

SD ANALOGUE TO SDI CONVERTER

DAC-7

Specially designed to convert analogue video and audio to SDI, allowing up to 200 meter cables to Datavideo SE-900 or SE-1000 switchers.

Rugged housing designed for tripod mounting to install easy.

Compatible with both NTSC & PAL. Embedded audio with SDI signal output. DC 12V Operation
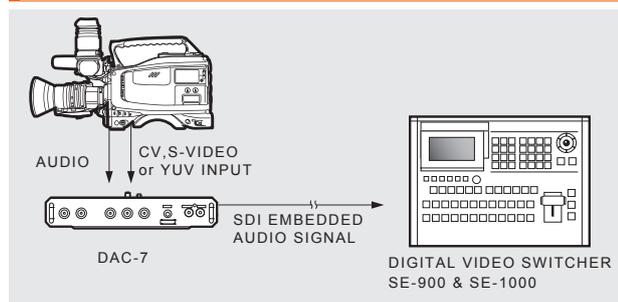
FRONT PANEL

SDI OUT   YUV IN   S-VIDEO IN   AUDIO IN

REAR PANEL

DC IN   POWER   BALANCE   MODE   RS-232
12V 1.0A   SWITCH   AUDIO IN   SELECT

SYSTEM DIAGRAM

FEATURES

■ Video input:
   1 X CVBS, BNC connector 75 Ohms
   1 X S-Video
   1 X YUV (3 x BNC connectors, 75 Ohms)
■ Audio input:
   2 x Balance stereo audio, mini-XLR connector
   2 x Unbalanced stereo audio, RCA jack
■ Output:
   2 x BNC connector, 75 Ohms for SDI signal
■ Power consumption:
   DC12V, 1.0A

Tripod Mount Housing

HDMI TO HD/SD-SDI CONVERTER

DAC-9

Many new High Definition camcorders and devices provide HDMI as the only High Definition output option. Datavideo's DAC-9 allows users to connect HDMI devices to professional SDI equipment, like video switchers or recorders up to 200 meters away.

HDMI is not suitable for long cable runs, but a DAC-9 can convert HDMI to High Definition & Standard Definition SDI and take advantage of the high quality, and affordable connectivity that SDI cables offer.

The DAC-9 even embeds the audio from HDMI into the SDI signal so only one single low cost cable is needed.

FRONT PANEL

HD/SD-SDI OUT

REAR PANEL

DC IN 12V 1.0A   POWER SWITCH   HDMI IN

SYSTEM DIAGRAM

AUDIO   HD INPUT

DAC-9   HD/SD-SDI EMBEDDED AUDIO SIGNAL   DIGITAL VIDEO SWITCHER SE-900/1000/2000
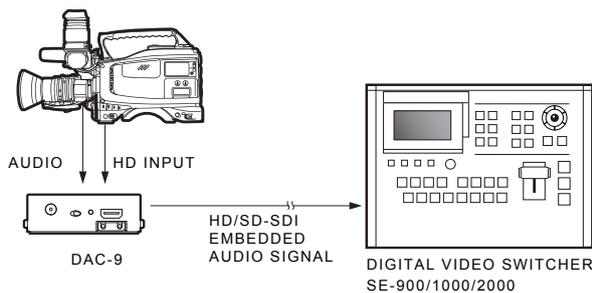
SPECIFICATIONS

Format List			
No.	Detail	HZ	I/P
1	720x480		Interlace
2	720x576		Interlace
3	1280x720	50Hz	Progressive
4	1280x720	59.94Hz	Progressive
5	1280x720	60Hz	Progressive
6	1920x1080	50Hz	Interlace
7	1920x1080	59.94Hz	Interlace
8	1920x1080	60Hz	Interlace

Output:
2 x BNC connector,75 Ohms for SDI signal
Power consumption:
DC12V,1.0 A

Tripod Mount Housing
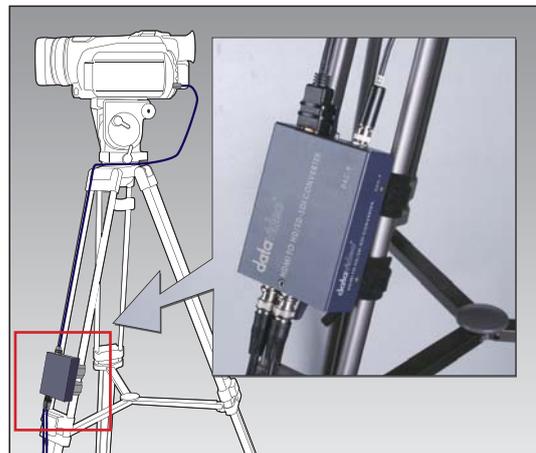
HD/SD-SDI TO DVI/VGA CONVERTER

DAC-40

A brilliant compact converter that allow users of High Definition and Standard Definition SDI to convert and connect DVI-D or VGA based equipment together.

Perfect for connecting high quality professional video devices over long distances to low cost monitoring solutions like video projectors, plasma and LCD screens.

FRONT PANEL

HD/SD-SDI IN   HD/SD-SDI OUT   MODE SELECT

REAR PANEL

VGA OUT   DVI-D OUT   DC IN 12V 1.5A

FEATURES

- HD/SD-SDI :   Video Input : BNC x1
                 Video output: BNC x1
- Video Output: VGA x1, DVI-D x1,
- Video-in support format:
  1. 480i
  2 576i
  3. 720/59.94p
  4. 720/50p
  5. 1080/50i
  6. 1080/50i

Video Out Support Format:		
MODE	DETAIL	FREQ.
1	800x 600 "SVGA"	60
2	1024x 768 "XGA"	60
3	1280x 1024 "SXGA"	60
4	1280x 768 "WXGA"	60
5	1400x 1050 "SXGA"	60
6	1600x 1200 "UXGA"	60

SYSTEM DIAGRAM

HD/ SD-SDI IN   DVI/ VGA OUT

HD SWITCHER SE-1000/SE-2000   PROJECTOR
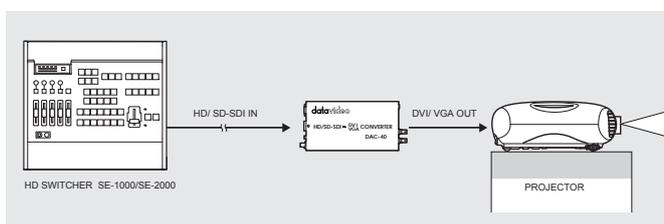
SDI CG
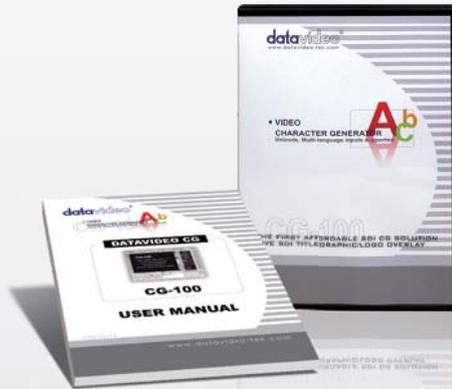
CG-100

SDI overlay provides the best broadcast quality computer graphics solution, but it has usually been beyond the budgets of smaller studios and production houses - The Datavideo CG-100 changes all that!

The CG-100 software combined with a

Blackmagic Design™ DeckLink Card™ brings you live SDI graphics overlay at an affordable price. It supports NTSC and PAL video standards and can generate graphics at 16:9 or 4:3 aspect ratios. Pages can be composed and animated on any computer running the CG-100 software prior to the event, provided that the 'dongle' (USB Key) is used. Simply transfer any generated files and the dongle to the live event computer, containing the Black Magic card, and run the sequence.

The CG-100 software is so intuitive that users can easily edit pages during the event.

The CG-100 combines perfectly with many of Datavideo's switchers and Mobile Video Systems, like the SE-800, HS-800, SE-900 and HS-900 to give superb quality graphics / text / logo overlay on live productions. Datavideo CG-100 can also be used with other SDI or YUV input switchers (with DeckLink Studio, DeckLink SDI capture cards).

INTERFACE
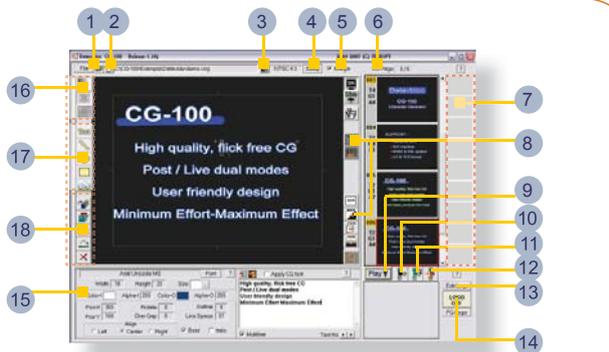
1	Open File	8	Animation Tool	15	Text & Image Edit
2	New File	9	Playback Sequence	16	Extra Editing Tool
3	Save File	10	Insert Empty Page	17	Graphics Tool
4	NTSC/PAL	11	Copy a Page	18	Editing Tool (Front/
5	Safety Margin	12	Delete a Page		Back, Undo, Redo,
6	Page Info	13	Edit Logo		Delete…etc.)
7	Clip Board	14	Logo On/Off		

FEATURES

- Image objects may be imported as graphics and stored as part of the page.
- Targa Sequence for animation
- Animation objects including wipe, push & fade in various directions at different speeds
- Text can roll and crawl
- Support Windows™ unicode for multi-language input.
- Redo/undo function for quick testing of an animation
- Support 16:9 or 4:3 aspect ratios & NTSC/ PAL video standard.
- Stand-alone logo display function
- Digital Clock Timer
- GPI trigger by external GPI cable or by "Ctrl Key" or "Right Click on the mouse"
- Quick and Simple GUI.
- Live SDI Overlay
- Programmable Multipage Events with Transitions

SYSTEM REQUIREMENTS

- CPU: Pentium 4 2.0 GHz or higher
- Ram: 1 GB or higher
- Required Min. Disc Space: 15 MB
- Screen Resolution: VGA, XGA
- Network: 10/100 Base T Ethernet card
- OS: Windows XP SP2 (with Direct X 9.0c)
- DeckLinkStudio, DeckLink SDI

FEATURES

Text Templates
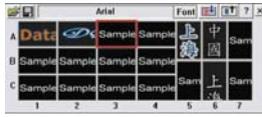
Text templates can be created to store frequently used text styles

Unicode Support

CG-100 supports multi language input

Multi Line input

Text can be input as multiple lines or imported from .TXT files.

Text & Graphic Editing

Adjustments include Size, Colour, Transparency, Border, Spacing, Position and Alignment

Sequence Play

Pages can be set to run as an automatic sequence

Dongle

The hardware dongle allow users to work during the creative process developing pages pre the event, on an "off location" computer. Install the CG-100 software on several computers and move the hard ware dongle from the "off location" to live compute as required.

Live Display

The live button allows pre-edited pages to be displayed live on air while other pages are being edited

Page Animations

Pages can be animated with fade, wipes and pushes

Colour Key

Backgrounds can be removed from imported images by using colour key

Live Stream

Live stream is a bonus application. It converts a Video input, via an IEEE1394 card, into a streamable video (521Kbps or 312Kbps)

GPI Trigger

Pages or sequences can be triggered via simple GPI contact closure, or via keyboard CTRL.

Subtitles

Subtitles can be displayed over graphic lower thirds. Single or dual line tickers can also be easily displayed

Logo Generator

Logo generator mode allows instant control of up to 3 logos, TARGA sequence, crawling text, graphics and static text. Up to 24 pages can be preset

Targa Animation / Import

Animated TARGA (.TGA) sequences such as logos can be imported, sized and positioned

Date/Time/ Stopwatch

Date and time or stopwatch (count up or count down) can be displayed anywhere on the screen, numerous preset layouts are available
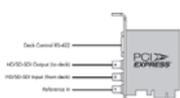
DECKLINK™ CARD

Datavideo CG-100 combine with Blackmagic™ DeckLink Studio, DeckLink SDI to bring you live SDI CG overlay at an affordable price.

DeckLink Studio
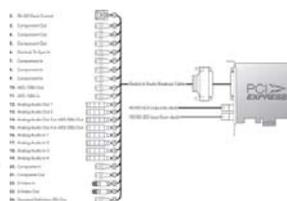
DeckLink SDI

www.blackmagic-design.com

FIREWIRE SCAN CONVERTER

PPT-100
Converter your powerpoint program time
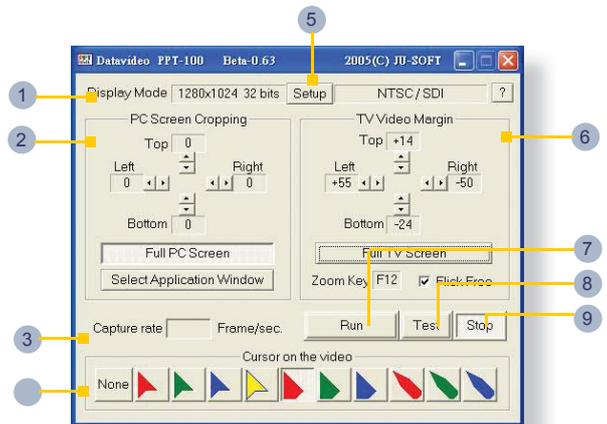into DV25 format in realtime

FEATURES

Software that converts your VGA display into a high resolution DV signal that can be output via your PC's DV (Firewire) socket.
Enables Powerpoint presentations or Excel for example to be recorded to video / DVD or viewed on any TV / Projector.
Ideal for use with a DV Switcher (such as the SE-800) allowing you to use the computer on one of the switchers DV inputs. The PPT-100 can also take advantage of the Decklink SDI card series. Ideal for Conferences, Schools, Churches, Product Training.
DV (via IEEE 1394 Interface) or SDI or YUV (via Decklink Card) output.

SETUP

PPT-100 Firewire Scan Converter Software used with
Datavideo SE-800 4-channel DV Digital Switcher

PPT-100

DV CamCorder

DV

DV

DV Switcher
SE-800

DV   YUV

DV to YUV cpnverter
(Datavideo DAC-6)

Projector
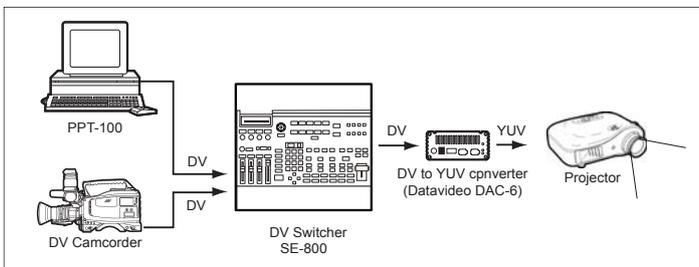
PPT-100 INTERFACE

1	Display Mode	6	TV Video Margin
2	PC Screen Cropping	7	Run
3	Capture rate	8	Test
4	Cursor the video	9	Stop
5	NTSC/SDI		

TFT LCD MONITORS

TLM-170/ 700/ 702/ 433/ 404

TLM-700

TLM-700HD

TLM-170

TLM-702

TLM-433

TLM-404

As a leading manufacturer Datavideo work closely with LCD panel manufacturers to ensure only the highest quality displays are used, and offer a guarantee against spotlight defects. The high quality professional TLM monitor series automatically switches between PAL / NTSC, and for flexibility can be powered via 12 V DC or AC power.

The Datavideo TLM monitor series is designed for video professionals that insist on superior performance. After all, every professional knows that you are only as good as the tools you use.

Whether it's in combination with switchers, 19" rack monitoring, in field operation, video editing, or the most advanced multimedia video you're creating, the Datavideo TLM monitor range offers the right tools for your job.

7" ANALOGUE 16:9/4:3

TLM-700

16:9/4:3

FEATURES

- 7" 16:9 Wide Screen Panel
- Resolution: RGB 480X234 dots
- View Angle (V)+50/-40°, (H)+30/-30°
- 2 x Video Input
- Brightness, Contrast, Colour, Tint Adjustable (Tint NTSC only)
- NTSC/PAL Auto Switching
- 16:9 / 4:3 switchable
- Carry Case Included

REAR VIEW

VIDEO IN-2   VIDEO IN-1

FEATURES

Screw for Ball Head

Standard screw mount for fixture to a tripod or the supplied ball head

TLM-700 Carrying Case

TLM-700 is supplied with a stylish bespoke carrying case, easy to carry around with supplied accessories

Input Source Selector

Two input source selector.

Sun Shield

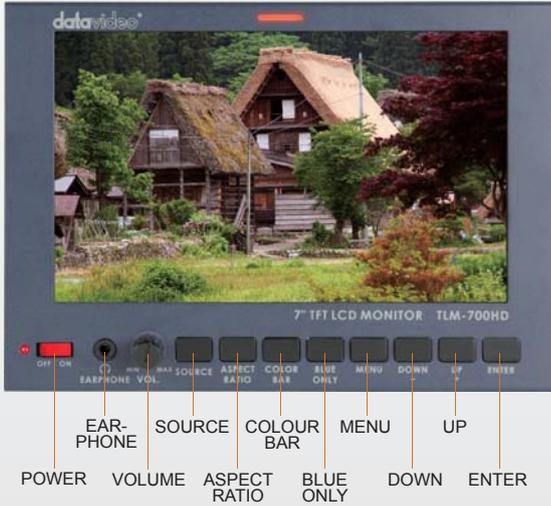Supplied with very useful light weight sun shield

DeckLink SDI

7" ANALOGUE, SDI & HD-SDI 16:9/4:3

TLM-700HD

HD·SD

EAR-PHONE　SOURCE　COLOUR BAR　MENU　UP

POWER　VOLUME　ASPECT RATIO　BLUE ONLY　DOWN　ENTER

HD/SD-SDI

YUV

CV

HDMI IN　　　TALLY　DC IN 12V 0.5A
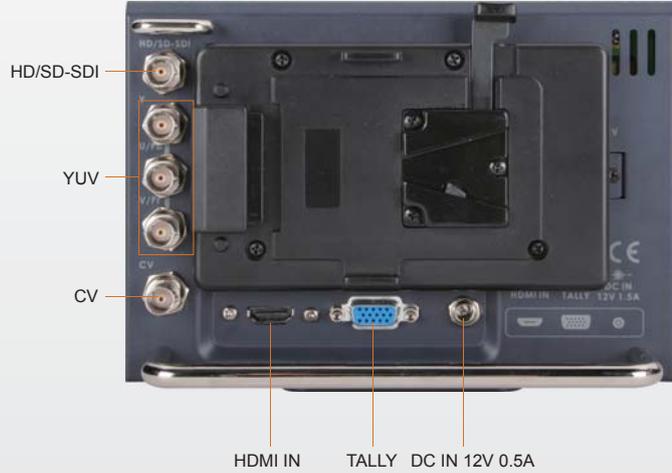
FEATURES

- 7" 16:9 Wide Screen Panel
- View Angle (V)+50/-40°, (H)+30/-30°
- 2 x Video Input
- Brightness, Contrast, Colour, Tint Adjustable (Tint NTSC only)
- NTSC/PAL Auto Switching
- 16:9 / 4:3 switchable
- Carry Case Included

Datavideo TLM-700HD feature a standard V-mount enabling you to power the monitor using a universal battery from a range of manufacturers. Perfect for use in the field.

APPLICATION

17" INCH LCD SCREEN MONITORS

HIGH DEFINITION

TLM-170

HD·SD

- TLM-170 — Desktop
- TLM-170M — 1U rack-mounted pull-out shelf
- TLM-170D — HD-SDI Desktop
- TLM-170MD — HD-SDI 1U rack-mounted pull-out shelf

- 17" High Definition TFT LCD monitor
- Display mode adjustable 16:9 / 4:3 & 16:10.
- PAL & NTSC Auto Switcing
- Viewing angle: (V) +70 / -70 degrees; (H) +60 / -60 degrees
- Screen resolution 1440 x 900 pixels
- LCD contrast ratio: 700:1
- Composite Video (CV), S-Video (Y/C), SD & HD-YUV and HD & SD-SDI video signal input with SDI loop through output. (Model depending)
- 3 RCA analogue audio input & stereo HDMI input

- Selectable overscan/underscan switchable safe area overlay
- Dual colour tally light input
- Brightness, Contrast, Colour & Tint adjustable (Tint NTSC only)
- Both VGA and HDMI input
- Includes Picture in Picture feature
- Available as a 1U rack-mounted pull-out shelf or Desktop version
- 12v DC operation (Supplied with mains DC adapter)

FRONT VIEW

REAR VIEW
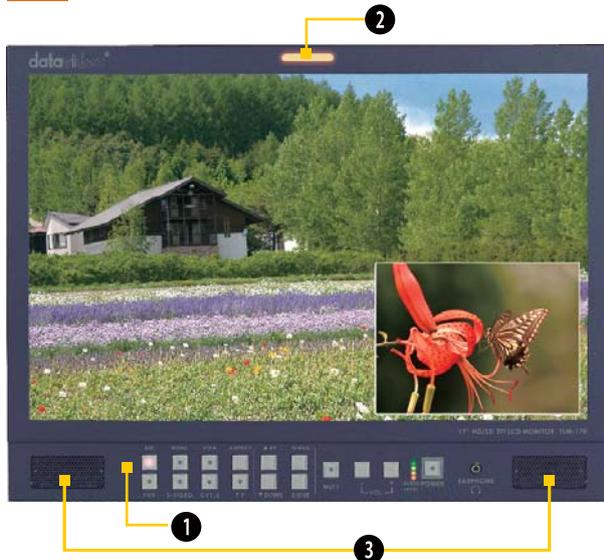
❶ Input selector & Image adjustments
Display mode adjustable include 4:3/16:9 - Auto switching NTSC/PAL and Contrast, Colour, Brightness & Tint (Tint NTSC Only)

❷ Tally light indicator
Dual colour tally light indicator ideal for instudio use or as part of Datavideo mobile video studios

❸ Built-in stereo speakers (2W)
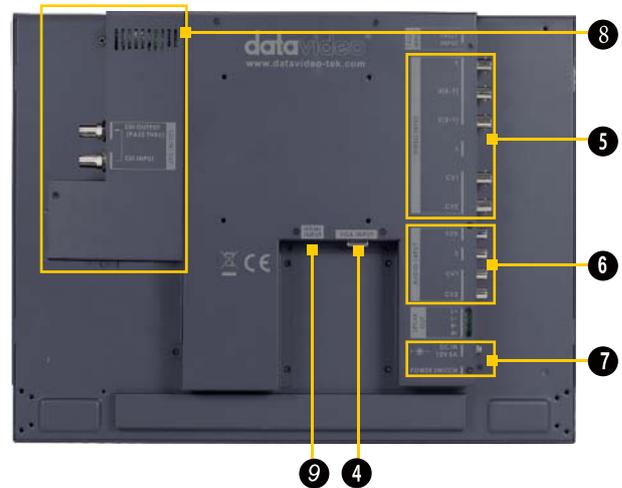
❹ Computer input
15-pin D-Sub connector

❺ Video input
Two composite video BNC, one component (Y:U:V), one S-Video (Y/C) and one HDMI

❻ Audio Input
3 RCA analogue, stereo HDMI and AES/EBU

❼ DC 12V Power Input
Easy integration in Datavideo Mobile Video Studio, Supplied with mains DC adapter

❽ HD-SDI input / output board (optional - model depending)

❾ HDMI input

FEATURES

TLM-170/170D

Desktop

Desktop version of Datavideo's HD ready LCD monitor perfect as

high quality reference monitor designed to assist as program monitoring during production. Resolution 1440 x 900

HD/SD SDI, Y:U:V, Y/C and Composite connections. Built in speakers.

Input selector & Image adjustments

Input selector, display mode adjustable include 4:3/16:9 - Auto switching NTSC/PAL and Contrast, Colour, Brightness & Tint (Tint NTSC Only)

Application

TLM-170M/TLM-170MD

1U rack-mounted pull-out shelf

Lock

Secure locking of the folded monitor during transport

Hinge

Pull the monitor out, and fold it in upright position when in use - the strong locking pivot point secure the monitor.

LCD Tray

Mounted in a 1U metal housing, for integration into universal 19" rack or as part of a mobile setup

2 X 7" 16:9/4:3 MONITOR BANK

TLM-702

- 2 x 7" Panel,
  19" 3U Rack Mountable
- Screen resolution
  RGB 480X234 dots
- View Angle (V)+40/-60°, (H)+60/-60°
- 2 x Composite inputs for each screen with loop through output
- Brightness, Contrast, Colour, Tint Adjustable (Tint NTSC only)
- NTSC/PAL Auto Switching
- Display mode adjustable (16:9 & 4:3)
- 12v DC operation (supplied with mains DC converter)

FEATURES

Image Correction
Adjustable, Colour, Contrast, Brightness & Tint (Tint NTSC only)

19" - 3U Rack Mountable
Standard 19" 3U rack mountable makes the TLM-702 a great choice for use with Datavideos mobile video studios, or any installation job

Tally Indicator
3.5 mm Jack connector for tally make the TLM-702 ideal for in studio use or as part of Datavideo mobile studio solutions
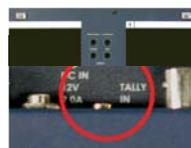
Input selector
Input and aspect selector

Calibration Screws
Fix the screens at a certain angle, perfect for fixed installations

Slim Design
Robust compact and slim design ensure integration into existing installations

29cm
76cm
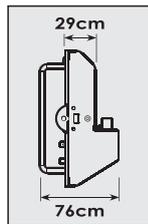
Adjustable View Angle
Tilt 45 degree viewing angle

REAR VIEW

VIDEO 2 IN/OUT
TALLY IN   VIDEO 1 IN/OUT
VIDEO 2 IN/OUT
TALLY IN   VIDEO 1 IN/OUT

▶ 3 X 4.3" 16:9/4:3 TFT LCD MONITOR BANK

TLM-433

- 3 x 4.3" High quality TFT LCD Monitors
- 4:3 & 16:9 Display mode switching / PAL & NTSC auto switching
- Screen resolution RGB 480 x 234 pixel
- LCD Contrast ratio – 400:1 typical   ■ Viewing angles – Top: 40° / Bottom, Left & Right: 60°
- 2 Colour LED Tally Light indicator on each monitor ■ Individual Adjustments for Contrast, Brightness and Colour Saturation
- Composite Video Connections with 75 ohm self terminating loop through   ■ Aux Input Via Sub D 9-Pin
- 2U 19" Rack Mountable   ■ 90 Degrees of Tilt   ■ 12v DC operation (supplied with mains DC converter)
- Switchable safe area overlay

FEATURES

Adjustable View Angle

Tilt 45 degree viewing angle

Locking Pivot Point

Strong locking pivot point

Image Correction

Adjust-able, Colour, Contrast, Brightness

Power Switch

19"-2U Rack Mountable

Standard 19" 2U rack mountable makes the TLM-433 a great choice for use with Datavideos mobile video studios, or any installation job

Tally Indicator

Standard 15-pin connector for tally make the TLM-433 ideal for in studio use or as part of Datavideo mobile studio solutions

High Quality Resolution

Screen resolution RGB 480 x 234 pixel

▶ REAR VIEW

VIDEO-C IN/OUT   VIDEO-B IN/OUT   VIDEO-A IN/OUT   TALLY IN   DC IN 12V 3A

4 X 4" TFT LCD MONITOR BANK

TLM-404

■ Screen Resolution
RGB 320 x 240 dots

■ Viewing angles;
Top: 10° / Bottom: 30° / Left & Right: 45°

■ Contrast ratio – 150:1

■ Can Be Tilted Up To 90 Degrees   ■ PAL / NTSC Auto Detect

■ 2U 19" Rack Mountable   ■ Aux Input Via Sub D 9-Pin

■ Composite Video Connections with 75 ohm self terminating loop through
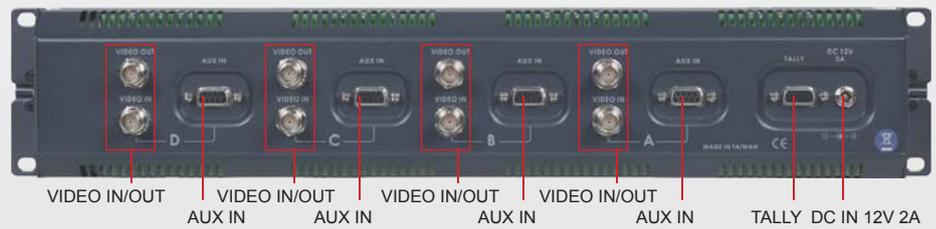
■ 3 Colour LED Tally Lights indicator on each monitor.

■ Individual Adjustments for Contrast, Brightness and Colour Saturation.

■ 12v DC operation (supplied with mains DC converter.

Power control switch

Image Correction
Each monitor has individual adjustments for contrast, brightness, color and tint (NTSC mode only). Includes 3-color LED tally lights.

Locking Pivot Point

REAR VIEW

VIDEO IN/OUT   VIDEO IN/OUT   VIDEO IN/OUT   VIDEO IN/OUT
AUX IN   AUX IN   AUX IN   AUX IN   TALLY   DC IN 12V 2A

SPECIFICITIONS

	TLM-700	TLM-700HD	TLM-170	TLM-702	TLM-433	TLM-404
General						
System	Standalone Unit	Standalone Unit	Rack Mountable 1U	Rack Mountable 3U	Rack Mountable 19" 2U	Rack Mountable 19" 2U
Power Input	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V
Power Consumption	6W	18W	60W	12W	15W	15W
Display						
LCD Panels	7" TFT LCD	7" TFT LCD	17" TFT LCD	7" TFT LCD	4" x 3 TFT LCD	4" x 4 TFT LCD
LCD Resolution	480 x 234 dot	800x480 dot	1440 x 900 dot	480 x 234 dot	480 x 270 dot	320 x 240 dot
LCD Backlight	CCFL	CCFL	CCFL	CCFL	CCFL	CCFL
LCD View Angle (Deg)	Top: 40	Top: 50	Top: 60	Top: 40	Top: 40	Top: 10
	Bottom: 60	Bottom: 70	Bottom: 60	Bottom: 60	Bottom: 60	Bottom: 30
	Left: 60	Left: 70	Left: 70	Left: 60	Left: 60	Left: 45
	Right: 60	Right: 70	Right: 70	Right: 60	Right: 60	Right: 45
LCD Contrast Ratio	300	400	700	300	400	150
LCD Brightness	500cd/mm	350cd/mm	500cd/mm	500cd/mm	240cd/mm	250cd/mm
Brightness Adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Contrast Adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Colour Adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Tint Adjustment (NTSC)	Yes	Yes	Yes	Yes	-	Yes
Video						
CV	2	1	2	4	3	4
YUV	0	1	1	0	0	0
S-Video	0	0	1	0	0	0
HD-SDI	0	1 (Optional)	1	0	0	0
HDMI	0	1	1	0	0	0
VGA	0	0	1	0	0	0
By pass CV Out	0	1	0	4	3	4
AUX RGB	0	1	0	0	0	4
DV/IEEE1394port	0	2 (6 Pin)	0	0	0	0
Audio						
Unbalanced Audio Input	No	Stereo	No	No	No	No
Unbalanced Audio Output	No	Stereo	No	No	No	No
DV Audio	No	Yes	No	No	No	No
Headphone	No	1	1	No	No	No
Volume Control	No	Yes	Yes	No	No	No
Speaker	No	2	2	No	No	No
Features						
Overscan/Underscan	No	No	Yes	No	Yes	No
NTSC/PAL	Auto	Auto	Auto	Auto	Auto	Auto
Tally LED Indicator	No	3 Colour	3 Colour	2 Colour	2 Colour	3 Colour
Tally Input	No	15-Pin	3.5mm Jack	3.5mm Jack	15-Pin	15-Pin
Aspect	4:3 / 16:9 Selecable	4:3 / 16:9 Selecable	4:3/16:9/16:10 Selecable	4:3/ 16:9 Selecable	4:3 / 16:9 Selecable	4:3
Flip/Mirror effect	No	Yes	No	No	No	No
Accessories						
Sun Shield	Yes	Yes	No	No	No	No
Ball Head	P/N: BH-5	P/N: BH-5	P/N: TLM-170M	P/N: TLM702JF	P/N: TLM-433JF	P/N: TLM-404JF

TIME BASE CORRECTORS

VP-299/ TBC-1000

VP-299

TBC-1000

FEATURES

- Stand Alone TBC

- 8-bit Video Resolution 4:2:2 Sampling Rate

- 4:2:2 Sampling rate 13.5MHz

- Metal Construction – suitable for Commercial Applications

- Perfect for application with VHS, VHS-C, S-VHS, Video-8, Hi-8, & Digital-8.

TBC Comparison Chart		
Features	TBC-1000	VP-299
Frame Synchronizer	1	
Inputs	1	1
Output	4	4
Distribution amplifier (4-Outputs)	O	O
S-Video (Y/C)	O	O
Image Correction		
Chroma Key		
Colour Bar Out		

SDI DISTRIBUTION AMPLIFIER

VP-445

Four way HD/SD SDI Distribution Amplifier with Embedded Audio

FRONT VIEW

REAR VIEW

DC 12V 300mA   POWER   SDI IN   SD   HD   PWR LOCK

SDI OUT
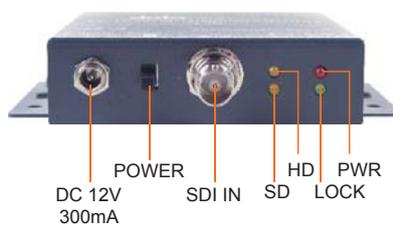
FEATURES

- 1 Input / 4 Output

- HD/SD SDI Connections

- Low Power Consumption

- Metal Case

DIMENSIONS

Power: DC12V 500mA

Dimensions: 123mm (L) x 89 mm (W) x 25mm (H)

Weight: 300g

TBC & MATRIX SWITCHER

TBC-5000

Time Base Synchronization

4:2:2

■ Multi functions with 4 TBC

■ 4 in- 1 out synchronization video switcher, for small activities video switching application

■ 4 in- 4 out asynchronous input/ synchronization output TBC, it can be collocated with switcher of Gen-lock

■ Combined with Datavideo DVK-100 chroma, can structure low-cost/ dual camera virtual broadcasting studio, for entertainment system application.

FEATURES

■ 4 input to 4output Genlock TBC

■ Setting 4 in-4 out/ 4 in-2out/4 in-1 out three mode

■ Cascade 2 of TBC-5000, up to 8 input/ 8 output genlock source

■ Internal/ External Genlock available

■ Front Panel or RS-232 control option

■ Support S-Video or CV Video input

■ Support PAL/NTSC

■ Support NTSC 7.5IRE/0 IRE

■ DC 12V input

■ 2U height

FRONT PANEL

INPUT

REAR PANEL

CV/S SELECT IN/OUT MODE RS-232 REMOTE   POWER

CV/S IN   CV/S OUT   SYNC IN/OUT   SETTING MODE

INTEGRATION

■ 4 IN-4 OUT

CV/S
CV/S
CV/S
CV/S

CV/S
CV/S
CV/S
CV/S

VIDEO SWITCHER

■ 4 IN-2 OUT

CV/S
CV/S
CV/S
CV/S

DVD PLARER
DVD PLARER

F/G CV/S
B/G CV/S

CHROMAKEY DVK-100

■ 4 IN-1 OUT

CV/S
CV/S
CV/S
CV/S

CV/S

MONITOR
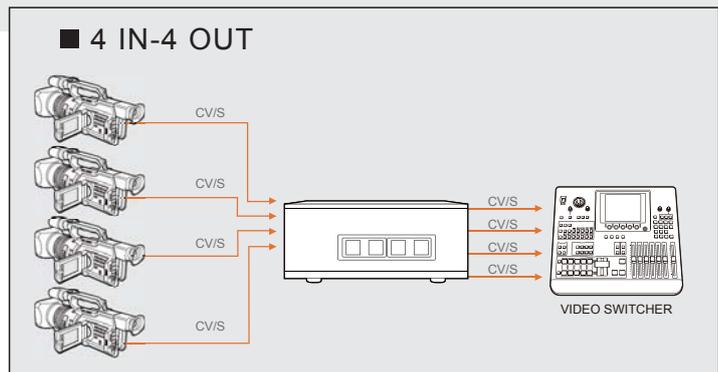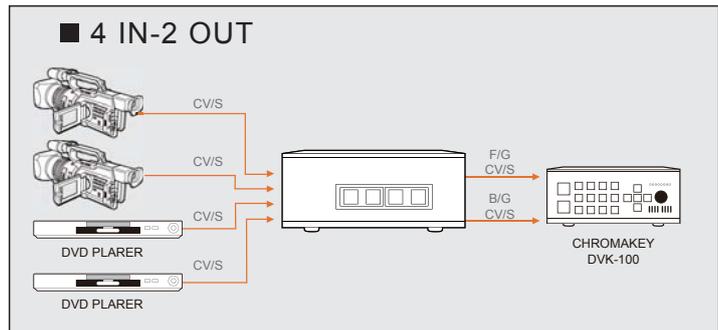
POWER CENTER

PD-1

UL 60601-1
CAN/CSA C22.2 NO. 601-1
DVD RECORDER
49LJ

E99999

BAUART GEPRÜFT
TYPE APPROVED

TÜV Rheinland Product Safety

Datavideo PD-1 Power Center is specifically designed to provide a steady power supply for Datavideo Mobile Video Studio applications.

DC 12V with 1 terminal of 12V/5A XLR Output, two terminals of 12V/7A (XLR / 2.1mm In Line) DC Output, 4 terminals of 12V/4A, 2 terminals of 12V/2A and one terminal of 5V/1A DC output.,

It provides 300Watt rating power supply to cover most of the power requirements for a Mobile Video Studio, such as Video Switcher, Monitoring LCD, Recording VTR / DVD+R, Talk Back system… and so on. With standard 19"/1U Rack size design, the PD-1 makes system integration professional and reliable

FEATURES

■ Power rating up to 300Watts

■ Power Indicator and Auto-Recovering fuse protector for each output terminal

■ Sequential-Power On of each DC output terminal during power on stage by 1 second duration.

■ Three loop thru AC Power outlets.

■ Switchable AC 110/220V or DC12V input source. (110 and 220 are separate models)

■ Compliant Safety / EMI and RoHS certification

PANEL OVERVIEW

Front

POWER | AC INPUT AC100-240V 300W | COOLING FANS | AC OUTPUT | DC 12V INPUT | INPUT POWER SOURCE INPUT SELECT

Rear

DC 5V 1A | DC 12V 2A | DC 12V 2A | DC 12V 4A | DC 12V 4A | DC 12V 7A | DC 12V 5A | AC VOLTAGE
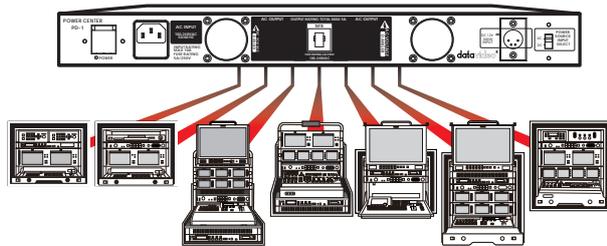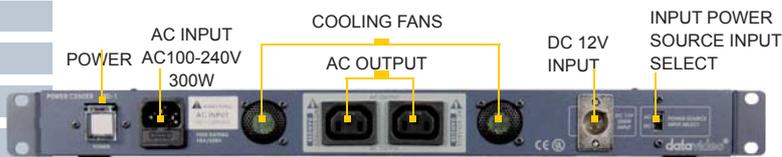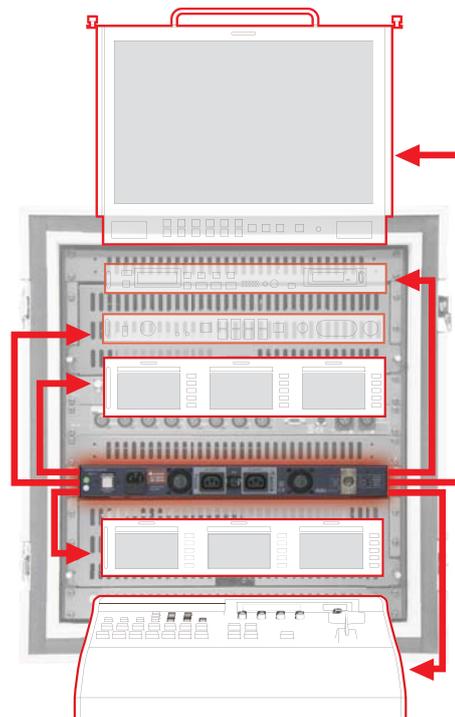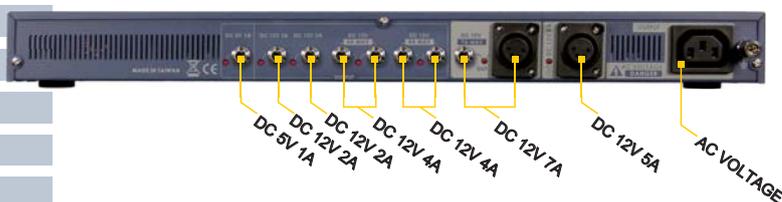
▶ NETWORK VIDEO SERVER

NVS-10

USER INTERFACE
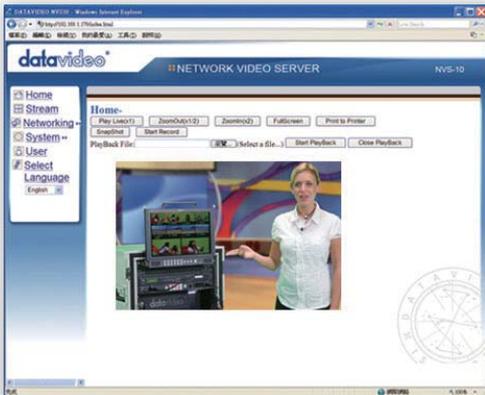
The NVS-10 is a stand alone box for audio/ video streaming through Ethernet in real-time. Designed for live audio/video streaming in the field site the NVS-10 is a plug and play device, simply connect your audio and video signal to the NVS-10, and enjoy video in MPEG-4 format via your Windows browser IE 6.0 or above on PC.

FEATURES

- Composite Video & Balanced/un-balanced audio input
- Both PAL & NTSC compatible
- Video Compression: MPEG-4, SP or ASP
- Real-time Encode in up to 30 fps in full-D1 resolution
- Support dynamic I/P frame ratio compression
- Support Video bit rate up 4Mbps(64K~4Mbps)
- Support audio bit rate up 384Kbps
- Indivual setting for brightness, contrast, saturation and hue
- Ethernet port RJ45 Connection to 10/100Mbit
- Ethernet networking
   Protocol : TCP/IP, ICMP, HTTP,SMTP,FTP, RTP/ RTSP, NTP, UPnP
Supplied with rich software application
- Embedded Audio Stereo In and Out
- Combatible with Microsoft™ IE 6.0 or Above, operation system : Microsoft™ Windows2000, XP, Vista, External system: DirectX 8.1 or higher

FRONT VIEW

VOLUME
POWER   ETHERNET

REAR VIEW

AUDIO OUT
CH2/R   CH1/L   POWER
             VIDEO IN   DC IN 12V 1.0A

SETUP EXAMPLE

CAMERA

VIDEO   STEREO AUDIO

NVS-10
SERVER   TCP/IP

PC

PC   PC
      PC

RP-38

1U
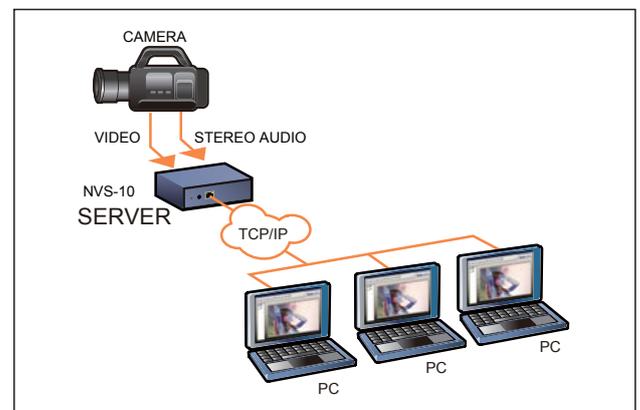
The NVS-10 is also available as a 19" 1U rack unit, perfect for integration with Datavideo Mobile Video Studios or as part of a fixed installation.

NETWORK MEDIA PLAYER

MP-1000
RSS

Round Preview: Benitez eyes Cup chance   Atletico Madrid: Ag

Datavideo MP-1000 is a versatile digital media player with LAN and Internet connectivity.
Media and settings are stored on its 2 gigabyte solid-state media card, and can be easily updated via a network connection using the built-in Ethernet port. DVD quality content can be scheduled remotely or locally. Support for RSS, enables automatic updated scrolling text, like news bulletins from leading broadcasters, with customizable colours and opacity.

Datavideo MP-1000 supports the more popular media formats, such as JPEG (for slideshows), MPEG 1, 2 and 4, AVI and DIVX movie files and MP3 and WAV sound files.
MP-1000 is rugged and stands up to the rigorous challenges of today's most demanding digital media applications. The compact design also makes MP-1000 ideal for kiosks, display advertising, and other small-footprint installations.
Distributing content to multiple displays and locations has never been easier and more affordable.

SERVER UI FUNCTION DESCRIPTION

Control ICONs:
Send command to control remote players of same group

Inquiry ICON:
Send command to get inquiry back from individual remote player

On-line Account Window: Show activity and status of remote players

Group and Player Window: Display groups and its remote players structure

Playlist Commander Window: Create and manage playlist file for remote players of same group

Playlist Commander Window: Create and manage playlist file for remote players of same group

FEATURES

- Datavideo MP-1000 supports the more popular media formats, such as JPEG (for slideshows), MPEG 1, 2 and 4, AVI and DIVX movie files and MP3 and WAV sound files.
- Video output: NTSC 640x480 / PAL 720x576
- Scheduled auto-playback of audio & video
- Menu-controlled playback
- RSS support for scrolling text display
- Media and settings are stored on a 2 gigabyte solid-state media card
- Hundreds of units can be controlled and maintained remotely from one server
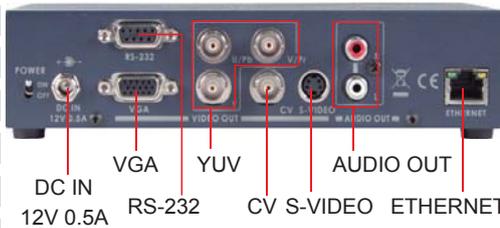- Scheduled content uploads

SETUP EXAMPLE

APPLICATION

Education

Outdoor electronic billboards

Advertisement in public transport
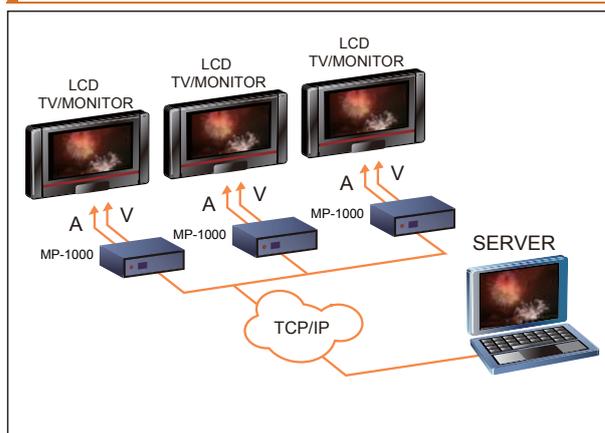
Welcome boards/Hospitality

FRONT VIEW

POWER

REAR VIEW

VGA YUV AUDIO OUT
DC IN
12V 0.5A RS-232 CV S-VIDEO ETHERNET

SPECIFICATIONS

Output:	BW= 5.0M <3dB	• Audio
CV x 1 (BNC connector)	S/N > 50	• MP3 (.mp3) from 32K to 256K bps
S-Video x 1 (S-Video connector)	Over or Less Amplitude in Color bar <5%	• PCM wave (.wav)
YUV x 1 (BNC connector)	**Audio:**	• Video
VGA x 1(D-Sub 15 pins)	Maximum 6V p-p input without distortion	• MPEG1 (.mpg, .dat)
Unbalanced audio, stereo x 1(RCA connector)	Bandwidth: 20HZ ~ 20KHZ	• MPEG2 (.mpg, .vob, .avi)
Input:	S/N Ratio: >65 dB, THD: <0.1%	• MPEG4 SP, ASP (.avi, .asf, .divx)
RJ-45	**Media format support:**	• Motion-JPEG (.avi)
	• Photo	• Video output: NTSC 640x480 or PAL 720x576
Video:	• JPEG (.jpg, .jpeg)	
NTSC	• Support photo resolution up to to 5120 x 3840	* SP is simple profile, ASP is Advanced SP
PAL	• Output resolution: 640x480	

▪ AUDIO DELAY BOX

AD-100

POWER
MENU
MODE SELECT
ADJUST

REAR VIEW

AUDIO OUT AUDIO IN

AD-100 is an easy to use audio delay box to enable you to synchronize video and audio. The unit features traditional RCA (phone) connector as well as professional XLR type connection. Built in a rugged metal housing for use in the field or studio setup.

FEATURES

■ Both traditional RCA (phone) connector as well as professional XLR type connection.

■ Build in a rugged metal housing for use in the field or studio setup

■ Low power consumption, can be powered by Datavideos PD-1 power distribution center connection.

DIMENSIONS

Power:
DC12V 2.5A
Dimensions:
240mm (L) x 205 mm (W) x 45mm (H)
Weight:
300g

DATAVIDEO WHOLE SERIES ACCESSORIES (OPTIONAL)
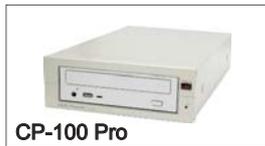
CP-100 Pro
MPEG-1 / MPEG 2 Player

BAC-03
Balanced / Unbalanced
Audio Converter

For SE-800 / SE-800AV
RMC-120
IP / Internet Control Box

For SE-500
RMC-150
IP / Internet Control Box

For SE-1000
TB-10
Tally Box with Tally Indicator

For SE-800
RMC-140
Next Source & Tally box

For SE-500
TB-5
Tally Box with Tally Indicator

ITC-100SL
Intercom beltpack

TD-1
Tally Light Indicator

MC-1
Microphone Headset

CB-17

CAD-01
Balanced to Unbalanced (XLR to RCA)
audio attenuator (set of 2, 10bdB)
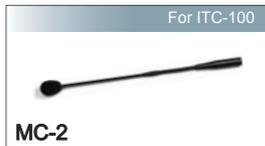
For ITC-100
MC-2
Intercom Gooseneck
Microphone

For ITC-100
LP-1
Intercom Gooseneck Light

CA64
4-pin to 6-pin Adapter

CB-7
GPI Cable 1.2m

DVM 2266
1.8m 6-pin to 6-pin DV Cable

DVM 2264
1.8m 6-pin to 4-pin DV Cable

CB-15D

CB-15U

2066
20m IEEE1394 DV Cable

1066
10m IEEE1394 DV Cable

CB-2
2 x S-Video (Y/C) Splitter Cable

CB-10
3m HD YUV Cable

CB-1
50m 3.5mm Jack Tally Cable

CB-3
20m 5-Pin Intercom Cable

CB-4
50m 5-Pin Intercom Cable

For ITC-100 Headset
CB-8
3.5mm Jack to XLR Adapter

CB-19
1.8m DVI-D Cable

CB-20
1.8m DVI-HDMI Cable

CB-21
1.8m DVI-I to VGA Cable
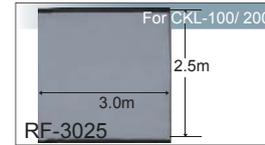
TLM-702JF
TLM-702 Monitor Bank Holder

TLM-407JF
TLM-407 Monitor Bank Holder

TLM-433JF
TLM-433 Monitor Bank Holder
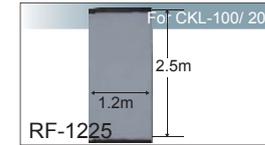
For CKL-100/ 200
2.5m
1.2m
RF-1225
Highly Retro-Reflective Cloth

For CKL-100/ 200
2.5m
3.0m
RF-3025
Highly Retro-Reflective Cloth

VP-314
DV Repeater 1 to 1

BH-05
Ball & socket head for connecting LCD
monitor or similar to a tripod or stand.

HE-1
Removable Hard drive carrier

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Sharing the Value

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