

SE-4000

4K 8-Channel Digital Video Switcher

datavideo

Features



- UHD 4K60/50p signals on input and output
- 8 live channels: 8x 12G-SDI + 4x HDMI (select 8 from 12)
- 7 outputs: 4x 12G-SDI + 3x HDMI
- Variety of video and audio input/output
- Supports 4K60/50P with scaling on each available input
- 4 x XLR Analogue Audio Inputs
- 2 x XLR Analogue Audio Outputs • Integrated 5" Touchscreen Display, easy to operate.
- 4 x Upstream Keys and 2 x Downstream Keys
- 2 x Picture-in-Picture
- Crosspoint assignment (XPT)
- Wipe, Mix, Cut Transitions
- Included CG Title Creator
- Tally output

Overview

The SE-4000 is an 8-input live production switcher supporting the real 4K60/50P video resolution. With a variety of video input and output ports such as 12G-SDI and HDMI 2.0 interface, you will be able to easily produce a sophisticated and professional live event.

With a built-in 5-inch LCD touch panel, the SE-4000 provides a user friendly user interface, which is very easy to operate and set up. The SE-4000 switcher also has powerful and easy-to-use effects such as Chroma/Luma Key, DSK, PIP, Wipe Generator, still stores and logo insertion.

The Crosspoint assignment (XPT) provides alternative I/O combinations by allowing you to reroute physical I/O ports to the corresponding control panel buttons.

Recommended Accessories

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- **PTC-280** 12x 4K PTZ Camera
- **PTC-300** 20x 4k PTZ Camera
- **PTC-285** 12x 4K Tracking PTZ Camera
- **HDR-80** ProRes 4K Video Recorder- Desktop
- **HDR-90** ProRes 4K Video Recorder- 1U Rackmountable

SE-4000

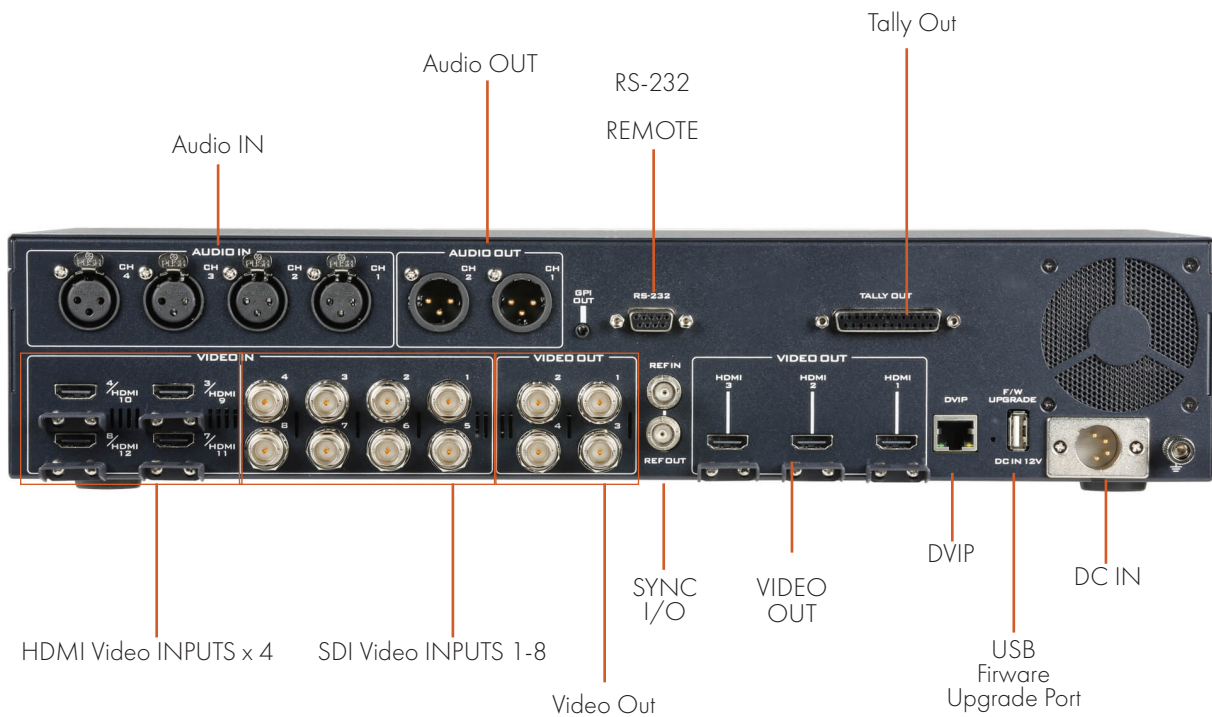
4K 8-Channel Digital Video Switcher

Front Panel

5" touch screen user interface allowing you to access various functions of the switcher via the GUI menu



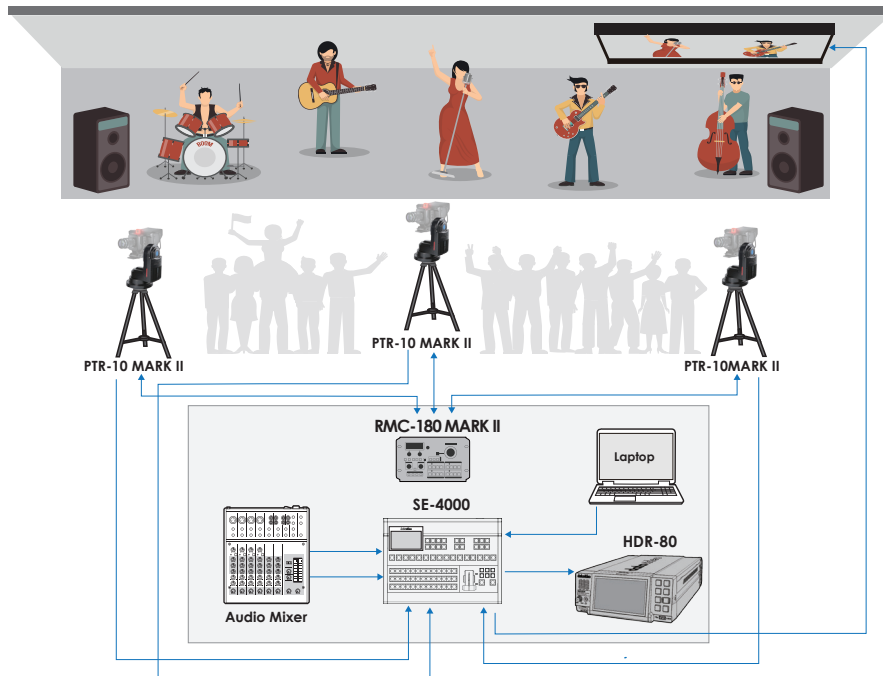
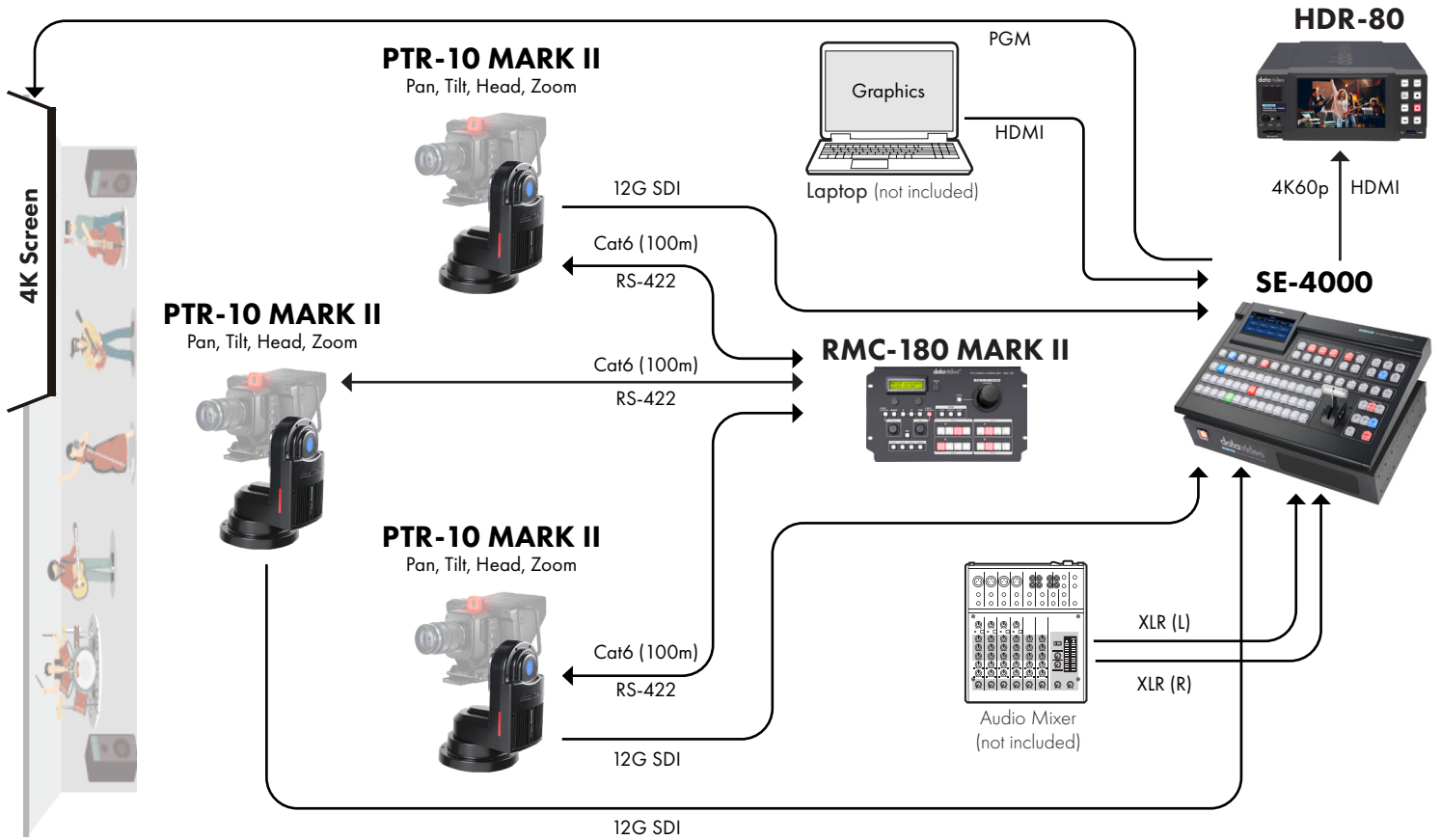
Rear Panel



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Workflow



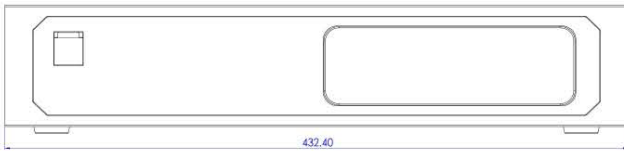
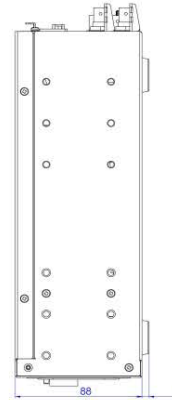
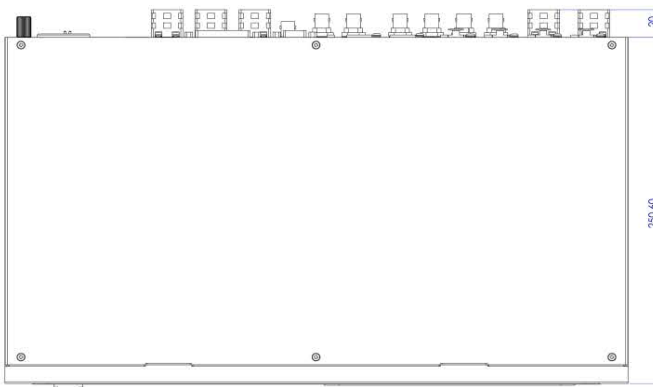
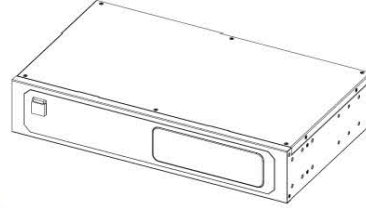
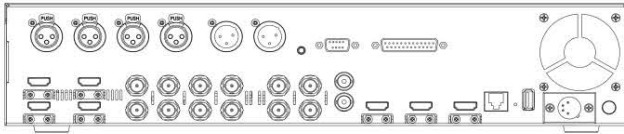
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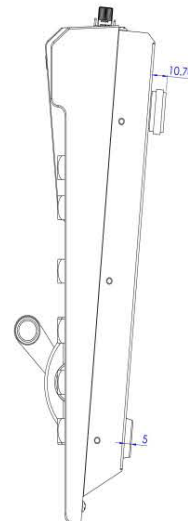
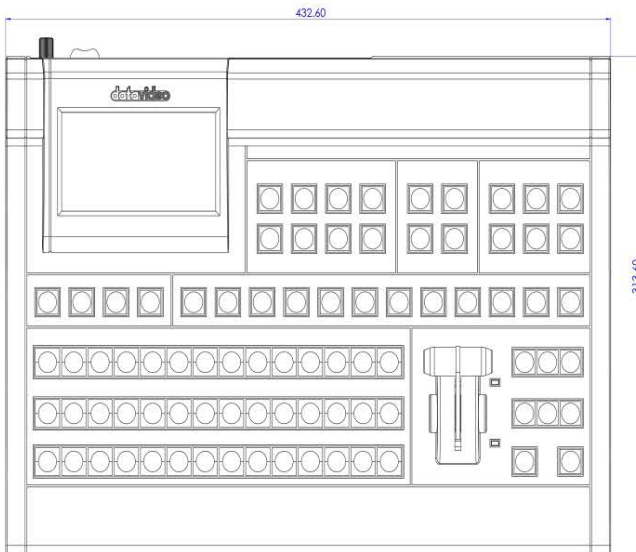
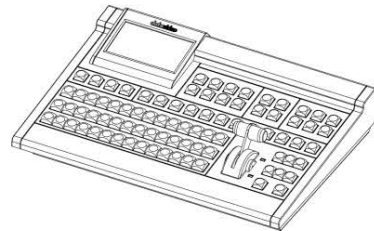
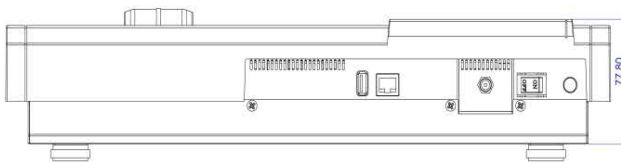
Dimensions

All measurements in millimeters (mm)

Main Unit



Control Unit



Specifications

Model Name	SE-4000
Product Name	4K 8-Channel Digital Video Switcher
Video format	Input: 3840x2160p: 60/59.94/50/30/29.97/25 1080p: 60/59.94/50/30/29.97/25 Output: 3840x2160p: 60/59.94/50/30/29.97/25 1080p: 60/59.94/50/30/29.97/25
Video Processing	"SDI: 4:2:2 10-bit HDMI: YUV 4:2:2 10-bit, RGB: 4:4:4 8/10-bit"
Input Routable / Crosspoint	YES
Video Input	"Total 8 live inputs (select 8 from 12) 8 x 12G-SDI 4 x HDMI"
Mix HD & SD Source	----
Computer Graphic Interface	4 via HDMI
Video Output	"4 x 12G-SDI 3 x HDMI All assignable: Multiview, PGM, PVW, PGM+DSK, Clean PGM, Clean PVW, Input 1-12"
Down-converted Output	----
Built-in Multi-view Monitoring Out	HDMI & SDI assignable
Analogue Audio Input	4 x Analogue XLR
Analogue Audio Output	2 x Analogue XLR
Digital Embedded Audio Support	Input 4 channels, Output 4 channels
Audio Delay Calibration	Up to 16 fields or 8 frames per channel
A+V Switching	Yes
Chromakey	4
Title Creator	Yes, CG-200 software free download
USK	4x Keyer support Chromakey/ Linear/ Luma Key
DSK	2x DSK support Lumakey & Linear key (Key / Fill)
Picture in Picture	2
Logo Insertion	2
Still Store	250
Effects	FTB, Cut, 32 Wipe with border
Transition Preview	Full transitions preview
Sync / Reference In/Out	----

Specifications

Model Name	SE-4000
Product Name	4K 8-Channel Digital Video Switcher
Tally Output	1x D-sub 25pin, dual color
PC Remote Control	DVIP (Ethernet)
Camera Control	----
Built-in Audio Mixer	----
Storage	----
Recording File System	----
Recording File Format	----
Video Encode	----
Audio Encode	----
Streaming Protocol	----
Firmware Update	USB
Special Features	5" Touchscreen Display
Chassis	2 units, 2RU rack-mount mainframe
Dimension (LxWxH)	"433 x 312 x 79 mm (switcher) 432 x 250 x 88 mm (main unit)"
Weight	7.1 kg
Power	Main Unit: DC 12V, 126W Control Unit: DC 12V 17.3W

SE-4000

4K 8-Channel Digital Video Switcher

What's in the Box

- 1 x SE-4000 Main Unit
- 1 x SE-4000 Control Board
- 2 x AD Switch DC 12V
- 1 x AC Cord
- 1 x Ethernet Cable
- 12 x Screw
- 2 x 2U Ear Rack

Applications

- Live Event Meetings
- Tradeshows
- Townhall Meetings
- Government Events
- Worship Services
- Musical Performances
- Lectures

Available Documents to Download

1. Datasheet
2. Instruction Manual
3. Cutsheet
4. Firmware Update



For more info, visit www.datavideo.com/product/SE-4000



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