

# SW-51-E70

5x1 HDMI/USB-C 4K 18 Gbps Presentation  
switcher with HDBaseT 3.0 70m Out

## FEATURE:

- HDMI 2.0b, HDCP 2.2 and DP 1.2 compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K@60Hz 4:4:4
- Uncompressed 4K60 over HDBT 3.0 up to 132ft/40m via single CAT6A (F/FTP) cable
- Uncompressed 1080P&4K30 over HDBT 3.0 up to 230ft/70m via single CAT6A (F/FTP) cable
- Up to 5 categories of multiview display modes: Single/PIP/PBP/Triple/Quad
- Support 5x1 seamless switching (single screen) and fast switching (multiview) function
- Input: 2x USB-C, 3x HDMI, 1x Analog audio, 1x Dante 2ch
- Output: 1x HDMI and 1x HDBT mirrored, 1x Analog audio, 1x Dante 2ch
- HDMI and HDBaseT (POE) outputs (Mirrored)
- Dante 2x2 audio input and output
- USB-C supports DisplayPort Alt mode for A/V, USB 2.0, 100M Ethernet and 60W charging
- Local USB 2.0 KVM switching and extending USB 2.0 over HDBT 3.0
- Signal input supports manual switching and automatic switching modes
- Support analog/Dante audio embedding, analog/Dante audio de-embedding output
- CEC/RS-232 control external devices ON/OFF
- Advanced EDID management
- Flexible control via front panel buttons, IR remote, RS-232, TCP/IP or Web GUI
- Support standard POE power supply (TX\_PSE, RX\_PD)



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This 5x1 seamless presentation switch includes 3 HDMI inputs, 2 USB-C inputs (with DP Alt mode, USB 2.0, 100M Ethernet, and 60W charging), 1 HDMI output, and 1 HDBT mirrored output. The HDBT output supports standard PoE power and can extend uncompressed signals up to 230ft/70m at 4K@30Hz 4:4:4 or 131ft/40m at 4K@60Hz 4:4:4 over a single CAT6A (F/FTP) cable. The switch offers flexible display options, including single screen or various multiview modes (Single/PIP/PBP/Triple/Quad). It supports USB 2.0 local KVM switching and Hub/HDBT USB pass-through (from TX to RX), as well as bi-directional RS-232 and IR control signal pass-through. Additionally, it features 1 analog audio input, 1 analog audio output, and Dante 2x2 audio input and output. The built-in 3x3 audio matrix includes independent audio EQ, volume, and delay adjustments.



## Switchers

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## SW-51-E70 5x1 HDMI/USB-C 4K 18 Gbps Presentation switcher with HDBaseT 3.0 70m Out

### SPECIFICATIONS:

#### Technical

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
DP Version	DP 1.2
Video Bandwidth	18Gbps
Input Video Resolution	480i ~1080p50/60Hz, 4Kx2K@24/30Hz, 4K2K@50Hz/60Hz 4:4:4
Output Video Resolution	Auto, 3840x2160p60, 3840x2160p50, 4096x2160p60, 4096x2160p50, 3840x2160p30, 3840x2160p25, 1920x1200p60RB, 1920x1080p60, 1920x1080p50, 1360x768p60, 1280x800p60, 1280x720p60, 1280x720p50, 1024x768p60
IR Level	12Vp-p
IR Frequency	Wideband 20K-60KHz
Color Space	Input: 8/10/12-bit, 8-bit (4K60Hz 4:4:4) Output: 8-bit
Color Depth	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
Audio Formats	LPCM 2.0
Transmission Distance	1080P&4K30 -- 230ft/70m; 4K60 -- 131ft/40m
HDR	Input supports HDR, output does not support HDR.
ESD Protection	Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

#### Connections Transmitter

Input Ports	3 x HDMI INPUT [Type A, 19-pin female] 2 x USB-C [24-pin female] 1 x LINE IN [5pin-3.81mm phoenix 1 x DANTE [RJ45]
Output Ports	1 x HDMI OUTPUT [Type A, 19-pin female] 1 x HDBT OUTPUT [RJ45] 1 x LINE OUT [5pin-3.81mm phoenix connector] 1 x RS-232 [3pin-3.81mm phoenix connector] 1 x LAN [RJ45]
Control ports	1 x USB HOST [USB Type B] 2 x USB DEVICES [USB Type A] 1 x IR IN [3.5mm stereo mini-jack] 1 x IR OUT [3.5mm stereo mini-jack]

#### Connections Receiver

Input Ports	1 x HDMI IN [Type A, 19-pin female] 1 x HDBaseT IN [RJ45]
Output Ports	1 x HDMI OUT [Type A, 19-pin female] 1 x LINE OUT [5pin-3.81mm phoenix connector] 1 x RS-232 [3pin-3.81mm phoenix connector] 1 x USB HOST [USB Type B]
Control ports	2 x USB DEVICES [USB Type A] 1 x SERVICE [Micro USB] 1 x IR IN [3.5mm stereo mini-jack] 1 x IR OUT [3.5mm stereo mini-jack]

#### Mechanical

Housing	Front panel: Aluminum; Rear case: Metal Enclosure
Color	Black
Dimensions	Transmitter: 220mm [W]x150mm [D]x44mm [H]
Weight	Receiver: 140mm [W]x105mm [D]x21.5mm [H]
Power Supply	Transmitter: 1.21Kg; Receiver: 424g
Power Consumption (Max)	Input: AC100 - 240V 50/60Hz Output: DC 24V/8A (US/EU standard, CE/FCC/UL certified)
Operation Temperature	150W (Max)
Storage temperature	0°C ~ 40°C / 32°F ~ 104°F
Relative Humidity	-20°C ~ 60°C / -4°F ~ 140°F
Housing	20%-90% RH (non-condensing)