

# SW-42-E70

4x2 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 video resolution up to 4K@60Hz 4:4:4
- Support of multiview display modes: Full screen/PIP/PAP/Quad
- Support 4x2 seamless switching (single screen) and fast switching (multiview) function
- Input: 1x USB-C, 3x HDMI, 1x Analog audio, 1x Dante 2ch
- Output: 2x HDMI and 1x HDBT mirrored, 1x Analog audio, 1x Dante 2ch
- Dante 2x2 audio input and output
- USB-C supports ALT-DP mode for A/V, USB 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 4x2 seamless presentation switch includes 3 HDMI inputs, 2 USB-C inputs (supporting 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 using a single CAT6A (F/FTP) cable. The switch offers various display modes, including single full screen, PIP, PBP, triple, and quad views. It supports USB 2.0 local KVM switching and USB pass-through from TX to RX via Hub/HDBT. Additionally, it features bi-directional RS-232 and IR control signal pass-through. The switch also includes 1 analog audio input, 1 analog audio output, and Dante 2x2 audio input and output.



## Switchers

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### 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] 1 x USB-C [24-pin female] 1 x LINE IN [5pin-3.81mm phoenix] 1 x DANTE [RJ45]
Output Ports	2 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]
Control ports	1 x LAN [RJ45] 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] Receiver: 140mm [W]x105mm [D]x21.5mm [H]
Weight	Transmitter: 1.21Kg; Receiver: 424g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 24V/8A (US/EU standard, CE/FCC/UL certified)
Power Consumption (Max)	150W (Max)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20%-90% RH (non-condensing)