

HDMI+USB 40M Transmitter

NexusH-T



DESCRIPTION

Taska NexusH-T is a HDMI+USB 40M Transmitter designed as a high-performance extension solution for modern BYOD and commercial A/V environments. Featuring one HDMI input, one HDMI loop out, and a USB 3.2 upstream port, it delivers stunning 5K@60Hz 4:4:4 visuals and high-speed data up to 130ft/40m via a single CAT6a cable. The system streamlines installations by supporting bi-directional 24V PoC and RS-232 pass-through, ensuring a clean and efficient setup. Whether used for presentations or peripheral connectivity, the NexusH-T provides a convenient solution for modern meeting environments.

PRODUCT FEATURES

- | 5K HDMI and USB 3.2 Extender with HDMI input and loop out
- | Extend 5K@60Hz (4:4:4 8bit) and USB 3.2 Gen 1 signal up to 130ft/40m via a single CAT6a cable
- | HDCP 2.3 compliant, to create a secure connection between the source and display
- | USB 3.2 Gen 1 up to 2.5Gbps
- | Features one HDMI input, one HDMI loop out and one USB 3.2 upstream port
- | Supports audio de-embedding
- | RS-232 pass-through
- | HDR, HDR10+, Dolby Vision LLM and HLG pass-through
- | Bi-directional 24V PoC (power over cable), when TX or RX gets power, the other end does not need an external power supply

SPECIFICATION

	Technical	
HDMI Compliance	HDMI 2.0b	
HDCP Compliance	HDCP 2.3	
USB Compliance	USB 3.2 Gen1	
USB Transmission Rate	Up to 2.5Gbps	
Video Bandwidth	18Gbps	
Video Resolution	5120x2160p60Hz, 5120x2160p50Hz, 5120x1440p60Hz, 5120x1440p50Hz,	
	4096x2160p60Hz, 4096x2160p59.94Hz, 4096x2160p50Hz, 4096x2160p30Hz,	
	4096x2160p29.97Hz, 4096x2160p25Hz, 4096x2160p24Hz, 4096x2160p23.98Hz,	
	3840x2160p60Hz, 3840x2160p59.94Hz, 3840x2160p50Hz, 3840x2160p30Hz,	
	3840x2160p29.97Hz, 3840x2160p25Hz, 3840x2160p24Hz, 3840x2160p23.98Hz,	
	1920x1080p60Hz, 1920x1080p59.94Hz, 1920x1080p50Hz, 1920x1080p30Hz,	
	1920x1080p29.97Hz, 1920x1080p25Hz, 1920x1080p24Hz, 1920x1080p23.98Hz,	
	1280x720p60Hz, 1280x720p59.94Hz, 1280x720p50Hz,	
	720x576p50Hz, 720x576i50Hz, 720x480p59.94Hz, 720x480i59.94Hz,	
	1600x1200p60Hz, 1440x900p60Hz, 1440x1050p60Hz, 1360x768p60Hz,	
	1280x1024p60Hz, 1024x768p60Hz, 800x600p60Hz, 640x480p60Hz	
Color Space	RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr4:2:0	
Color Depth	8/10/12-bit	
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG	
Audio Formats	HDMI IN, HDMI OUT	LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS,
		DTS-EX, DTS-96/24, DTS High Res, DTS/D Master Audio, DSD
	Analog Audio De-embedding	LPCM 2CH (sample rate 32~192kHz)
Analog Output Audio Parameters	Output Level (Maximum)	Max 2.2dBu (1Vrms) unbalanced audio
	Frequency Response	20Hz to 20kHz (-/+0.5dB)
	Audio S/N Ratio	>103dB@0dBu, 1kHz A-weighted
	Audio THD+N	< 0.006%@+4dBu, 1kHz
	Audio Output Delay	<2ms
Transmission Distance	CAT6a (F/FTP) Cable: 40m/130ft; USB 3.2 Passive Cable: 1.5m/4.9ft; HDMI Passive Cable: 3m/9.8ft	
	Connection	
Input	1× IN [HDMI Type A, 19-pin female], 1× USB-B [Upstream, 9-pin female]	
Output	1× LOOP OUT [HDMI Type A, 19-pin female]	
	1× U-Link OUT [RJ45 connector, 24V PoC]	
	1× AUDIO OUT [3.5mm audio jack]	
Control	1× RS-232 [3-pin 3.5mm phoenix connector], 1× SERVICE [USB-C, FW update port]	
	Mechanical	
Color	Black	
Dimensions	118mm [W] × 111mm [D] × 25.5mm [H]	
Weight	378g	
	Electrical	
Power Consumption	4W (Max)	
Power Supply	DIN 4-pin: DC 24V/2A	
	Environment	
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F	
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F	
Operating Humidity	20~80% RH (Non-condensing)	
Storage Humidity	10~90% RH (Non-condensing)	