

TERADEK Bolt 4K LT HDMI

Bolt 4K LT HDMI : Wireless 4K HDR Video System

Bolt 4K LT HDMI is the newest entry-level wireless video system to be introduced to the Bolt 4K family. Bolt 4K LT HDMI devices are fully compatible with all other Bolt 4K devices, are capable of transmitting 10-bit, 4:2:2 HDR video at a range of up to 750 feet line-of-sight over the unlicensed 5GHz band, and can multicast to 6 receivers simultaneously. For HDR workflows, Bolt 4K LT supports the HDR-10, PQ, and HLG standards.



BOLT 4K LT HDMI - TX

BOLT 4K LT HDMI - RX

VIDEO

Video Inputs	1x HDMI 1.4b Type-A receptacle	N/A
Video Outputs	1x HDMI 1.4b Type-A receptacle	1x HDMI 1.4b Type-A receptacle
SDI Ancillary Data Support	N/A	N/A
Color Sampling	YCbCr 4:2:2 10-Bit RGB 4:4:4 8-bit	YCbCr 4:2:2 10-Bit RGB 4:4:4 8-bit
Delay (TX to RX)	<0.001sec	<0.001sec
Supported Resolutions	4Kp23.98/24/25/29.97/30 1080p23.98/24/25/29.97/30/50/59.94/60 1080i50/59.94/60 720p50/59.94/60 480p50 576p59.94/60 480i(NTSC)/576i(PAL)	4Kp23.98/24/25/29.97/30 1080p23.98/24/25/29.97/30/50/59.94/60 1080i50/59.94/60 720p50/59.94/60 480p50 576p59.94/60 480i(NTSC)/576i(PAL)
Input Cross Conversion	N/A	N/A
Output Video Scaling	N/A	N/A

VIDEO PROCESSING

Video Compression	Visually lossless	Visually lossless
Test Pattern Generator	N/A	N/A
Spectrum Analyzer	N/A	N/A
Color Correction	N/A	N/A

AUDIO

Audio Compression	48kHz 24-bit PCM	48kHz 24-bit PCM
Audio Input	Embedded HDMI Audio Input (2 channel)	N/A
Audio Output	N/A	Embedded HDMI Audio Input (2 channel)

BOLT 4K LT HDMI - TX**BOLT 4K LT HDMI - RX****PHYSICAL ATTRIBUTES**

Dimensions	2.4" x 4.1" x 1.3" (60 x 103 x 33mm)	4.8" x 3.7" x 1" (122 x 94 x 27mm)
Weight	7.3oz (206g)	10.3oz (292g)
Construction	Milled aluminum (chassis) and regulation-compliant PCB	Milled aluminum (chassis) and regulation-compliant PCB

INTERFACES

Configuration Interface	OSD with Menu, Joystick Navigation	OSD Screen with Menu, Joystick Navigation
Switches	On/Off Switch	On/Off Switch
Desktop App	Bolt Manager application for OSX & Windows	Bolt Manager application for OSX & Windows
Mobile App	Bolt App	Bolt App
USB Interface	Upgrade via Micro-USB 5-pin Locking Connector CCU	Upgrade via Micro-USB 5-pin Locking Connector CCU
Bluetooth Compatibility	Yes	Yes

WIRELESS

Wireless	DFS Frequencies: 5.270 ~ 5.670 GHz Non-DFS Frequencies: 5.190 ~ 5.230 GHz and 5.755 ~ 5.795 GHz	DFS Frequencies: 5.270 ~ 5.670 GHz Non-DFS Frequencies: 5.190 ~ 5.230 GHz and 5.755 ~ 5.795 GHz
Bluetooth	2.4 GHz	2.4 GHz
RF Channel Selection	Auto, Manual	Auto, Manual
Encryption	AES-256, RSA-1024 key exchange	AES-256, RSA-1024 key exchange
RF power	19 dbm EIRP (2x external 2dBi antennas; <80mW transmit power)	17 dbm EIRP (1x external 2dBi antenna; <51mW transmit power)
Antennas	2x External 2dBi antennas (included)	5x External 2dBi antennas (included)
Range	Up to 750 ft line of sight	Up to 750 ft line of sight
Multicast	TX transmits video to up to 6 receivers simultaneously	Pair up to 4 transmitters per receiver
Noise Rejection	Can coexist with Wi-Fi and 5GHz cordless phones, and can operate up to 6 sets in same location	Can coexist with Wi-Fi and 5GHz cordless phones, and can operate up to 6 sets in same location
Interoperability	Can transmit wireless video to all ranges of Bolt 4K XT and Bolt 4K LT receivers (limited by shortest range device)	Can receive wireless video from all ranges of Bolt 4K XT and Bolt 4K LT transmitters (limited by shortest range device)

POWER

Power Input	2-Pin Circular locking connector 6-28 VDC	2-Pin Circular locking connector 6-28 VDC
Battery	None, optional Sony/Canon dual battery plate	None, optional Gold or V mount battery plate
Nominal Power Consumption	9 Watts	11 Watts
Operating Temperature	0~40 deg-C	0~40 deg-C

GENERAL

Mountability	Multiple mounting options with M3 and 1/4-20" holes	Multiple mounting options with 3/8"x16 and 1/4-20" holes
--------------	--	---