

Teradek Bolt 500 XT 3G-SDI/HDMI Wireless Transmitter and Receiver Set

TERADEK



Key Features

- Supports up to 1080p60 Resolution
- Backward Compatible with Select Systems
- 3G-SDI and HDMI Inputs/Outputs
- Cross Conversion

The **Teradek Bolt 500 XT 3G-SDI/HDMI Wireless Transmitter and Receiver Set** includes one transmitter and one receiver. This enables you to immediately start transmitting up to 1080p60 video from either an SDI or HDMI source. The zero-latency transmitter/receiver pair features a 500' line-of-site transmission distance. You can send

and receive visually lossless 3G-video signals from a Bolt 500 transmitter with zero latency. The transmitter features cross conversion, so you take an SDI signal in and loop out either an SDI or HDMI signal to your on-camera monitor.

Teradek Bolt 500 XT 3G-SDI/HDMI Wireless Transmitter Specs

Construction	Milled Aluminum Chassis and Regulation-Compliant PCB
Video Inputs	SDI: 1 x BNC (75 Ohm), 3G/HD/SD HDMI: 1 x HDMI Type A Receptacle
Video Outputs	SDI: 1 x BNC (75 Ohm), 3G/HD/SD, Loop-Through
Color Sampling	SDI: YCbCr 4:2:2, 10-bit (8-Bit when Format Conversion is Enabled) HDMI: RGB 4:4:4, 8-Bit
Latency	<0.001 Seconds (TX to RX without Format Conversion)
Supported Resolutions	1080p: 60/59.94/50/30/29.97/25/24/23.98 1080PsF: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 480i: 59.94 576i: 50
Video Processing	Compression Visually Lossless Color Correction CDL/1024 1D LUT (Supports 10-Bit Color) 33x33x33 3D LUT (Supports 10-Bit Color)
Audio Compression	48 kHz, 24-bit PCM
Audio Input	Embedded
Interfaces	Switches: On/Off and Reset Desktop App: Feature-Rich Bolt Manager Application for OS X and Windows USB Interface Functionality: Upgrade via Mini-USB

Wireless	Non-DFS Frequencies
	• UA: 5.19 to 5.23 GHz, 5.755 to 5.795 GHz • EU & JP: 5.19 to 5.23 GHz
	DFS Frequencies
	• US: 5.27 to 5.55 GHz and 5.67 GHz • EU & JP: 5.27 to 5.67 GHz
RF Power	17 dBm EIRP
Encryption	AES-128
Range	Up to 500' / 152.4 m Line of Sight
Unicast Multicast	Unicast / Multicast
Noise Rejection	Can Coexist with Wi-Fi and 5 GHz Cordless Phones
Power Input	2-Pin Connector 7 to 17 VDC
Power Consumption	Nominal 7.3 W (Measured at 1080p60)
Operating Temperature	32 to 104°F / 0 to 40°C
Mountable	1 x 1/4"-20 Threaded Mounting Hole 2 x M3 Threaded Mounting Holes
Dimensions	0.95 x 2.6 x 4.47" / 2.41 x 6.6 x 11.35 cm
Weight	8 oz / 226 g
Packaging Info	
Package Weight	1.65 lb
Box Dimensions (LxWxH)	6.7 x 6.5 x 4.8"

Teradek Bolt 500 XT 3G-SDI/HDMI Wireless Receiver Specs

Construction	Milled aluminum Chassis and Regulation-Compliant PCB
Video Outputs	SDI: 2 x BNC (75 Ohm), 3G/HD/SD HDMI: 1 x HDMI Type A Receptacle USB: 1 x USB Type 3.0 Micro-B Receptacle
Color Sampling	SDI: YCbCr 4:2:2, 10-Bit (8-Bit when Format Conversion is Enabled) HDMI: RGB 4:4:4, 8-Bit
Latency	<0.001 Seconds (TX to RX without Format Conversion)
Supported Resolutions	1080p: 60/59.94/50/30/29.97/25/24/23.98 1080PsF: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 576p: 50 (via HDMI Only) 480p: 59.94 (via HDMI Only) 576i: 50 480i: 59.94
Video Processing	Compression Visually Lossless Color Correction CDL/1024 1D LUT (Supports 10-Bit Color) 33x33x33 3D LUT (Supports 10-Bit Color)
Audio Compression	48 kHz, 24-Bit PCM
Audio Input	Embedded
Interfaces	Switches: On/Off and Reset Desktop App: Feature-Rich Bolt Manager Application for OS X and Windows USB Interface Functionality: Upgrade via Mini-USB

Wireless	Non-DFS Frequencies • UA: 5.19 to 5.23 GHz, 5.755 to 5.795 GHz • EU & JP: 5.19 to 5.23 GHz
	DFS Frequencies • US: 5.27 to 5.55 GHz and 5.67 GHz • EU & JP: 5.27 to 5.67 GHz
RF Power	15 dBm EIRP
Encryption	AES-128
Range	Up to 500' / 152.4 m Line of Sight
Unicast Multicast	Unicast / Multicast
Noise Rejection	Can Coexist with Wi-Fi and 5 GHz Cordless Phones
Power Input	2-Pin Connector 7 to 28 VDC
Power Consumption	Nominal 9 W (Measured at 1080p60)
Operating Temperature	32 to 104°F / 0 to 40°C
Mountable	1 x 1/4"-20 Threaded Mounting Hole 2 x M3 Threaded Mounting Holes
Dimensions	6 x 3.4 x 1" / 15.24 x 8.64 x 2.54 cm
Weight	10.5 oz / 297.7 g
Packaging Info	
Package Weight	2.25 lb
Box Dimensions (LxWxH)	6.7 x 6.6 x 5"