

Bolt 4K 750 TX/RX Set

👉 teradek.com/products/bolt-4k-750-set

Video Inputs

- 1 x 12G-SDI SMPTE 2082-1 standard / 75 Ω (accepts 12G-SDI, 6G-SDI, or 3G-SDI)
- 1 x HDMI Type-A receptacle accepts HDMI 2.0 or HDMI 1.4)

Video Outputs

1 x Loopout 12G-SDI SMPTE 2082-1 standard / 75 Ω

Sdi Ancillary Data Support

Supports transmitting metadata, timecode, and start/stop flags from most camera manufacturers.

Color Sampling

SDI: YCbCr 4:2:2, 10-bit/ HDMI: RGB 4:4:4, 8-bit

Input Cross Conversion

Yes, HDMI to SDI

Delay Tx To Rx

<0.001sec

Supported Resolutions

- 4Kp23.98/24/25/29.97/30/50/59.94/60
- 1080p23.98/24/25/29.97/30/50/59.94/60
- 1080psf23.98/24/25/29.97/30
- 1080i50/59.94/60
- 720p50/59.94/60
- 480p50 576p59.94/60
- 480i(NTSC)/576i(PAL)

Video Compression

Visually Lossless

Video Format Conversion Support

- Connect an HD source to the Tx and get a 4K signal out of Rx
- Connect a 4K source to the Tx, get HD resolution out of Rx

- You can also mix & match from a single source:
- 4K signal into Tx can be 4K output from 1x Rx and HD output from a 2nd Rx
- Input/output configurations are controlled directly on units or via Bolt 4K app

Color Correction

None

Audio Format

48kHz 24-bit PCM

Audio Input

Embedded SDI/HDMI Audio Input (2 Channel)

Dimensions

132 x 91 x 27 mm

Weight

358g (12.6 Oz)

Construction

Milled Aluminum(Chassis) and regulation-compliant PCB

Mountability

Multiple mounting options with 1/4"x20 and M3 holes

Configuration Interfaces

OSD with Menu, Joystick Navigation

Switches

On/Off Switch

Usb Interface Functionality

Upgrade via Micro-USB

Antennas

4 External 2dBi RP-SMA antennas (included)

Wireless

- Non-DFS Frequencies:
 - 5.190 ~ 5.230 GHz and 5.755 ~ 5.795 GHz
- DFS Frequencies:
 - 5.270 ~ 5.670 GHz

Channel Bandwidth

13x 40MHz wide channels

Rf Channel Selection

- Auto, Manual
- Manual available for non-DFS Channels

Encryption

AES-256, RSA-1024 key exchange

Rf Power

19 dbm EIRP (4 external 2dBi antennas) (<80mW transmit power)

Range

Up to 750 ft, line of sight

Unicast Multicast

Can connect one Transmitter to up to 6 Receivers

Noise Rejection

- Can coexist with WiFi and 5GHz cordless phones
- Can operate up to 6 sets in same location

Power Input

2-Pin Circular locking Connector 6-28 VDC

Battery

None, optional Gold or V mount battery plate

Nominal Power Consumption

20 Watts

Operating Temperature

0-40°C

