

# Bolt 3000 3G-SDI/HDMI Transmitter

## Technical Specifications

### Video -

Video Inputs  
1 x SD/HD/3G-SDI (75 Ohm BNC)  
1 x Type A receptacle HDMI

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Video Outputs  
1 x HD/SD/3G-SDI Loop-out (75 Ohm BNC)

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Sdi Ancillary Data Support  
Supports transmitting metadata, timecode, and start/stop flags from certain camera manufacturers. Please refer to:  
<https://support.teradek.com/hc/en-us/articles/217446087>

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Color Sampling  
SDI: YCbCr 4:2:2, 10-bit (8-bit when format conversion is enabled)  
HDMI: RGB 4:4:4, 8-bit

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Delay Tx To Rx  
<0.001sec (when no video format conversion is enabled)

### SUPPORTED INPUT RESOLUTIONS -

Supported Resolutions  
1080p 23.98/24/25/29.97/30/50/59.94/60  
1080psf 23.98/24/25/29.97/30  
1080i 50/59.94/60  
720p 50/59.94/60  
480p 59.94/576p50 (via HDMI ports only)  
480i(NTSC)/576i(PAL)

## VIDEO PROCESSING -

Video Compression                      visually lossless

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Color Correction                      CDL/1024 1D LUT (supports 10-bit color)  
   33x33x33 3D LUT (supports 10-bit color)

## AUDIO PROCESSING -

Audio Compression                      48kHz 24-bit PCM

## PHYSICAL -

Dimensions                              0.95" x 2.6" x 4.47" (24 x 66 x 101.5 mm)

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Weight                                      8oz(226g)

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Construction                              Milled Aluminum(Chassis) and regulation-compliant PCB  
   Plastic Cap

## INTERFACES -

Http                                        None

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Configuration Interfaces                None

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Desktop App                              Feature-rich Bolt Manager Application for OSX & Windows

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Usb Interface Functionality              Upgrade via Mini-USB

## NETWORK -

Wireless

Non-DFS Frequencies:

US: 5.19 ~ 5.23 GHz and 5.755 ~ 5.795 GHz

EU & JP: 5.19 ~ 5.23 GHz

DFS Frequencies:

US: 5.27 ~ 5.55 GHz and 5.67 GHz

EU & JP: 5.27 ~ 5.67 GHz

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Rf Channel Selection

Auto and

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Rf Channel Selection

Auto and

Configurable Channel selection

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Encryption

AES-128

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Rf Power

22dbm EIRP(with two 5dbi TX antennas)

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Range

Up to 3000ft line of sight

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Unicast Multicast

Unicast / Multicast

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Noise Rejection

Can coexist with WiFi and 5GHz cordless phones

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## POWER -

Power Input

2-Pin Connector 7-28 VDC

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Battery

None

Nominal Power Consumption 7.5 Watts (Measured at 1080p60)

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Operating Temperature 0 ~ 50 deg-C

## **GENERAL -**

Mountability Multiple mounting options with 4-40 holes  
Multiple mounting options with 1/4" holes