

# Bolt 4K MAX TX Gold Mount

Video +

## Video Inputs

- 1 x 12G-SDI SMPTE 2082-1 standard / 75  $\Omega$  (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  $\Omega$

## 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 +

## 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 Processing +

### 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 Processing +

### Audio Format

- 48kHz 24-bit PCM

## Inputs +

### Audio Input

- Embedded SDI/HDMI Audio Input (2 Channel)

## Physical +

### Dimensions

- 132 x 91 x 27 mm

### Weight

- Bolt 4K Tx without antennas (no battery plates) = 360g
- Bolt 4K Tx with 4x antennas (no battery plates) = 408g
- Bolt 4K Rx without antennas (no battery plates) = 440g
- Bolt 4K Rx with 5x antennas (no battery plates) = 496g
- Gold-Mount battery plate set (male+female) = +172g
- V-Mount battery plate set (male+female) = +220 g

### Construction

- Milled Aluminum(Chassis) and regulation-compliant PCB

### Mountability

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

## Interfaces +

## Configuration Interfaces

- OSD with Menu, Joystick Navigation

## Switches

- On/Off Switch

## Usb Interface Functionality

- Upgrade via Micro-USB

Network +

## 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

- 14x 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 1500 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 +

## Power Input

- 2-Pin Circular locking Connector 7-28V DC

## Battery

- None, optional Gold or V mount battery plate

## Nominal Power Consumption

- 20 Watts

Environmental +

## Operating Temperature

- 0-40°C

# Bolt 4K MAX RX Gold Mount

Video +

## Video Outputs

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

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

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- 1080p23.98/24/25/29.97/30/50/59.94/60
- 1080psf23.98/24/25/29.97/30
- 1080i50/59.94/60
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## Video Processing +

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- Visually Lossless

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- 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

- 17x17x17 3D LUT (supports 10-bit color)

## Audio Processing +

### Audio Format

- 48kHz 24-bit PCM

## Outputs +

### Audio Output

- Embedded SDI/HDMI Audio Output (2 Channel)

## Physical +

### Dimensions

- 112 x 139 x 27 mm

### Weight

- Bolt 4K Tx without antennas (no battery plates) = 360g
- Bolt 4K Tx with 4x antennas (no battery plates) = 408g
- Bolt 4K Rx without antennas (no battery plates) = 440g
- Bolt 4K Rx with 5x antennas (no battery plates) = 496g
- Gold-Mount battery plate set (male+female) = +172g
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## Interfaces +

## Configuration Interfaces

- OSD with Menu, Joystick Navigation

## Switches

- On/Off Switch

## Usb Interface Functionality

- Upgrade via Micro-USB

## Network +

## Antennas

- 5 External 2 dBi antennas (included) or optional Array Panel Antenna

## Wireless

- Non-DFS Frequencies:
  - 5.190 ~ 5.230 GHz and 5.755 ~ 5.795 GHz
- DFS Frequencies:
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## Channel Bandwidth

- 14x 40MHz wide channels

## Rf Channel Selection

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

## Encryption

- AES-256, RSA-1024 key exchange

## Rf Power

- 17 dbm EIRP (one external 2dBi antenna) (<51mW transmit power)

## Range

- Up to 1500 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 +

## Power Input

- 2-Pin Circular locking Connector 6-28 VDC

## Battery

- None, optional Gold or V mount battery plate

## Nominal Power Consumption

- 18 Watts

Environmental +

## Operating Temperature

- 0-40°C