

# Bolt 4K LT System

## BOLT 4K LT SYSTEM

	BOLT 4K TRANSMITTER	BOLT 4K TRANSMITTER
<b>VIDEO</b>		
Video Inputs	3G-SDI SMPTE 424M standard/75 $\Omega$ (BNC x 1), <b>1x</b> HDMI 1.4b Type-A receptacle	N/A
Video Outputs	3G-SDI SMPTE 424M standard/75 $\Omega$ (BNC x 1)	3G-SDI SMPTE 424M standard/75 $\Omega$ (BNC x 1), <b>1x</b> HDMI 1.4b Type-A receptacle
SDI Ancillary Data Support	Supports transmitting metadata, timecode, and start/stop flags from certain camera manufacturers.	
Color Sampling	<b>SDI:</b> YCbCr 4:2:2 <b>10-Bit/HDMI:</b> RGB 4:4:4, 8-bit	<b>SDI:</b> YCbCr 4:2:2 <b>10-Bit/HDMI:</b> RGB 4:4:4, 8-bit
Delay (TX to RX)	<0.001sec (without format conversions)	
Supported Resolutions	4Kp23.98/24/25/29.97/30 (HDMI only) 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	
Input Cross Conversion	Yes, HDMI to SDI	N/A
Output Video Scaling	N/A	Yes, Framerate and Resolution Scaling
<b>VIDEO PROCESSING</b>		
Video Compression	Visually lossless	N/A
Test Pattern	N/A	Yes

## Generator

Spectrum Analyzer	N/A	Yes
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## AUDIO

Audio Compression	48kHz 24-bit PCM	48kHz 24-bit PCM
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Audio Input	Embedded SDI/HDMI Audio Input (2 channel)	N/A
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Audio Output	N/A	Embedded SDI/HDMI Audio Input (2 channel)
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## 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)
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Weight	7.3oz (206g)	10.3oz (292g)
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Construction	Milled aluminum (chassis), regulation-compliant PCB	
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## INTERFACES

Configuration Interface	OLED Screen with Menu Joystick Navigation	OLED Screen with Menu Joystick Navigation
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Switches	On/Off Switch	On/Off Switch
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Desktop App	Bolt Manager app (OSX and Windows)	Bolt Manager app (OSX and Windows)
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Mobile App	Bolt App (iOS and Android)	Bolt App (iOS and Android)
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USB Interface	Upgrade via Micro-USB	Upgrade via Micro-USB
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Bluetooth Compatibility	Yes	Yes
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## NETWORK

Wireless	<b>DFS Frequencies:</b> 5.270 ~ 5.670 GHz <b>Non-DFS Frequencies:</b>	<b>DFS Frequencies:</b> 5.270 ~ 5.670 GHz <b>Non-DFS Frequencies:</b>
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	5.190 ~ 5.230 GHz and 5.755 ~ 5.795 GHz	5.190 ~ 5.230 GHz and 5.755 ~ 5.795 GHz
Bluetooth	2.4GHz	2.4GHz
RF Channel Selection	Auto, Manual	Auto, Manual
Encryption	AES-256, RSA-1024 key exchange	AES-256, RSA-1024 key exchange
RF Power	21 dBm EIRP (max power)	18 dBm EIRP (max power)
Antennas	<b>MAX:</b> 2x External 2dBi antennas, 1x H-V antennas <b>750/1500:</b> 4x External 2dBi antennas	<b>MAX:</b> 3x External 2dBi antennas, 2x H-V antennas <b>750/1500:</b> 5x External 2dBi antennas
Range	<b>MAX:</b> Up to 3000ft (914m) line of sight (5000ft [1524m] with optional Panel Antenna) <b>1500:</b> Up to 1500ft (457m) line of sight <b>750:</b> Up to 750ft (229m) line of sight	<b>MAX:</b> Up to 3000ft (914m) line of sight (5000ft [1524m] with optional Panel Antenna) <b>1500:</b> Up to 1500ft (457m) line of sight <b>750:</b> Up to 750ft (229m) line of sight
Multicast	<b>750/1500:</b> Connect one transmitter to up to 6 receivers <b>MAX (with Broadcast Mode enabled):</b> Connect one transmitter to unlimited receivers	
Noise Rejection	Can coexist with Wi-Fi and 5GHz cordless phones, and operate up to 6 sets in the same location	Can coexist with Wi-Fi and 5GHz cordless phones, and operate up to 6 sets in the same location

## POWER

Power Input	2-Pin locking connector 6-28 VDC	2-Pin locking connector 6-28 VDC
Nominal Power Consumption	9 Watts	11 Watts
Operating Temperature	32~104°F (0~40°C)	32~104°F (0~40°C)

## GENERAL

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