Teradek 10-2220-V

Video	TX	RX
Video Inputs	3G-SDI SMPTE 424M standard/75 Ω (BNC x 1), 1x HDMI 1.4b Type-A receptacle	NA
Video Outputs	3G-SDI SMPTE 424M standard/75 Ω (BNC x 1)	3G-SDI SMPTE 424M standard/75 Ω (BNC x 1), 1x HDMI 1.4b Type-A receptacle
Sdi Ancillary Data Support	Supports transmitting metadata, timecode, and start/stop flags from most camera manufacturers.	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	SDI: YCbCr 4:2:2, 10-bit/ HDMI: RGB 4:4:4, 8-bit
Delay Tx To Rx	<0.001sec	
Input Cross Conversion	Yes, HDMI to SDI (4Kp30 HDMI input is scaled and looped out as 1080p30 on SDI loopout)	NA
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 480p50 576p59.94/60 480i(NTSC)/576i(PAL)	

Video Processing		
Video Compression	Visually Lossless	NA
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	
Audio Input	Embedded SDI/HDMI Audio Input (2 Channel)	NA

Audio Output	NA	Embedded SDI/HDMI Audio Input (2Channel)

Physical

Dimensions	(60 x 103 x 33mm)	(122 x 94 x 27mm)
Weight	(206g)	(292g)
Construction	Milled Aluminum(Chassis) and regulation-compliant PCB	
Mountability	Multiple mounting options with 1/4"x20 and M3 holes	

Interfaces

Configration Interfaces	OSD with Menu, Joystick Navigation
Switches	On/Off Switch
Mobile App	Bolt App
Desktop App	Bolt Manager application for OSX & Windows
USB Interface Functionality	Upgrade via Micro-USB
Bluetooth	2.4 GHz

Network

Antennas	2x External 2dBi antennas (included)	5x External 2dBi 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 Bandwidht	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 (2x external 2dBi antennas; <80mW transmit power	17 dbm EIRP (1x external 2dBi antenna; <51mW transmit power)
Range	Up to 3000 ft line of sight (5000 ft with optional Bolt 4K Array Antenna)	
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	9 Watts	11 Watts
Environmental		
Operating Temperature	0-40°C	