

# Ace 750

TERADEK

## Ace 750 : Wireless 4K HDR Video System

Ace 750 is a lightweight, compact, HDMI wireless video system with built-in antennas designed to be used with mirrorless cameras, camcorders, action cameras and A/V workflows. It sends uncompressed zero-delay, 4Kp30, HDR video and audio with up to 750 feet (230m) of range. Ace 750 is cross-compatible with Bolt 4K and Bolt 6 in 5GHz and 6GHz modes and is fully compliant with FCC and CE frequency usage and power output guidelines. Ace 750 features an integrated hole pattern for mounting and can be powered with NP-F or LP-E6 batteries using an optional L-shaped plate. Ace 750 is built with the same reliable wireless technology found in our acclaimed Bolt product line. Because of this, Ace 750 is fully compatible with all Bolt 4K and Bolt 6 models.



	ACE 750- TX	ACE 750- RX
<b>VIDEO</b>		
Video Inputs	1x HDMI 1.4b Type-A receptacle	N/A
Video Outputs	N/A	1x HDMI 1.4b Type-A receptacle
SDI Ancillary Data Support	N/A	N/A
Color Sampling	<b>YCbCr</b> 4:2:2 10-Bit <b>RGB</b> 4:4:4 8-bit	<b>YCbCr</b> 4:2:2 10-Bit <b>RGB</b> 4:4:4 8-bit
Delay (TX to RX)	<0.001sec (without format conversions)	<0.001sec
Supported Resolutions	4Kp23.98/24/25/29.97/30 1080p23.98/24/25/29.97/30/50/59.94/60 1080i50/59.94/60 720p50/59.94/60	4Kp23.98/24/25/29.97/30 1080p23.98/24/25/29.97/30/50/59.94/60 1080i50/59.94/60 720p50/59.94/60
Input Cross Conversion	N/A	N/A
Output Video Scaling	N/A	N/A
<b>VIDEO PROCESSING</b>		
Video Compression	Visually lossless	Visually lossless
Test Pattern Generator	N/A	N/A
Spectrum Analyzer	N/A	N/A
Color Correction	N/A	N/A
<b>AUDIO</b>		
Audio Compression	48kHz 24-bit PCM	48kHz 24-bit PCM
Audio Input	Embedded HDMI Audio Input (2 channel)	N/A
Audio Output	N/A	Embedded HDMI Audio Input (2 channel)

**ACE 750 - TX****ACE 750 - RX****PHYSICAL ATTRIBUTES**

Dimensions	4.39" x 3.19" x 1" (112mm x 81mm x 25mm)	4.39" x 3.19" x 1" (112mm x 81mm x 25mm)
Weight	6.6 oz (187g)	6.6 oz (187g)
Construction	ABS Plastic / Milled Aluminium	ABS Plastic / Milled Aluminium

**INTERFACES**

Configuration Interface	<b>OLED display:</b> <ul style="list-style-type: none"> <li>• Input video format</li> <li>• Selected frequency</li> <li>• Video Quality %</li> <li>• Link status</li> </ul>	<b>OLED display:</b> <ul style="list-style-type: none"> <li>• Input video format</li> <li>• Selected frequency</li> <li>• Video Quality %</li> <li>• Link status</li> </ul>
Switches	On/Off Switch	On/Off Switch
Recessed Button	Enable/disable Bluetooth	Enable/disable Bluetooth
Desktop App	Bolt Manager application for OSX & Windows	Bolt Manager application for OSX & Windows
Mobile App	Bolt App	Bolt App
USB Interface	Upgrade via USB-C	Upgrade via USB-C
Bluetooth Compatibility	Yes	Yes

**NETWORK**

Wireless	<b>DFS Frequencies:</b> 5.270 ~ 5.670 GHz <b>Non-DFS Frequencies:</b> 5.190 ~ 5.230 GHz, 5.755 ~ 5.795 GHz, and 5.945 ~ 6.425GHz	<b>DFS Frequencies:</b> 5.270 ~ 5.670 GHz <b>Non-DFS Frequencies:</b> 5.190 ~ 5.230 GHz, 5.755 ~ 5.795 GHz, and 5.945 ~ 6.425GHz
Bluetooth	2.4 GHz	2.4 GHz
RF Channel Selection	Auto only, 40 MHz only, no blocked frequencies	Auto only, 40 MHz only, no blocked frequencies
Encryption	AES-256, RSA-1024 key exchange	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)
Antennas	2x 2dBi internal antennas (AMC mode always on)	5x 2dBi Internal antennas
Range	Up to 750 ft line of sight	Up to 750 ft line of sight
Multicast	TX transmits video to up to 6 receivers simultaneously	TX transmits video to up to 6 receivers simultaneously
Noise Rejection	Can coexist with Wi-Fi and 5GHz cordless phones, and can operate up to 4 sets in same location	Can coexist with Wi-Fi and 5GHz cordless phones, and can operate up to 4 sets in same location
Interoperability	Compatible with Bolt 4k and Bolt 6 products	Compatible with Bolt 4k and Bolt 6 products

**POWER**

Power Input	Barrel connector 7-18V	Barrel connector 7-18V
Battery	None, optional Sony/Canon dual battery plate	None, optional Gold or V mount battery plate
Nominal Power Consumption	6 Watts	6 Watts
Operating Temperature	32~104°F (0~40°C)	32~104°F (0~40°C)

**GENERAL**

Mountability	Multiple mounting options with M3 and 1/4-20" holes	Multiple mounting options with M3 and 1/4-20" holes
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