



HT-RANGER2

4K BYOD Conference Presentation Switcher



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PRODUCT OVERVIEW

The HT-RANGER2 is a high-performance BYOD presentation switcher with wireless presentation capability. It includes a built-in Wi-Fi module and offers multiple connection options, including AirPlay, Miracast, Smart View, HT-Voyager and physical HDMI and USB-C ports. Connecting to the HT-RANGER using any of these methods can project the video from the connected device to the connected display, in either full screen mode or dual view mode. The HT-RANGER2 includes multiple features such as automatic signal switching, CEC, Guide Screen, and OSD display.

FEATURES

- 2x1 Presentation switcher
- USB-C port with video input, USB3.0, charging, and Ethernet
- Dual view presentation
- Built-in Wi-Fi module for wireless connectivity with devices over AirPlay, Miracast, Smart View, and HT-VOYAGER2
- Supports HDMI input resolutions up to 4K@30Hz 4:4:4.
- Supports HDMI output resolutions up to 4K@60Hz 4:4:4 (4:2:0 on HDBT out)
- 4 input and 2 output USB3.0 switcher
- Built-in Ethernet switch with security design
- Analog audio output
- Detailed On Screen Display (OSD) information
- Device control using Web UI and Telnet API
- Laptops connected to the HT-RANGER2 using the USB-C interface can access USB peripheral devices (i.e. cameras, microphones) connected to USB-A ports on the HT-RANGER2.

Video	
Rear Interface Ports	<p>1 x USB Type-C Female Input: Up to 3840x2160 @30Hz USB to Ethernet bridge for network connection USB-C charger up to 60W (20V, 3A) USB3.0 Host</p> <p>1 x HDMI Type-A Female Input: Video input up to 3840x2160 @30Hz</p> <p>1 x USB 3.0 Type-B Female Host Port: Standalone USB host port</p> <p>1 x RJ45 Female Connector HDBT Out: Mirror of HDMI output Supported HDBT with HT-DSCV-70-RX</p> <p>2 x RJ45 Female Connectors LAN Ports: 10/100/1000Mbps Ethernet Divided into 2 VLANs for network security</p> <p>4 x SMA Connectors: WiFi Antenna connections</p> <p>1 x 5.5/2.1 DC Screw Connector: DC 20V power supply</p>
Front Interface Ports	<p>3 x USB 3.0 Type-A Connectors: Connection to USB peripherals Up to 1A each</p> <p>1 x 5-pin 3.5mm Phoenix Male Connector: Analog audio output Balanced 2-channel</p> <p>1 x 3-pin 3.5mm Phoenix Male Connector: RS-232 for external control</p> <p>1 x USB Type-C Female Connector: Pairing to HT-VOYAGER2</p>
Input Resolutions	<p>HDMI/USB-C (8-bit, YUV 4:4:4 / 4:2:2 or RGB, up to HDCP 1.4) 640x480⁸ 800x600⁸ 1024x768⁸ 1280x768⁸ 1280x800⁸ 1280x1024⁸ 1360x768⁸ 1366x768⁸ 1440x900⁸ 1400x1050⁸ 1600x1200⁸ 1680x1050⁸ 1920x1200⁸ 720x480⁸ 720x576⁶ 1280x720^{5,6,8} 1920x1080^{2,3,5,6,8} 3840x2160⁵</p> <p>Miracast (Wi-Fi) 640x480⁸ 720x480⁸ 720x576⁶ 1280x720^{2,3,5,6,8} 1920x1080^{2,3,5,6,8}</p> <p>Airplay Mirroring (LAN/Wi-Fi) Max 1920x1080⁸</p> <p>ChromeCast Mirroring (LAN/Wi-Fi) Max 1920x1080⁵</p> <p>HT-VOYAGER2 USB Dongle 1920x1080⁸ 3840x2160⁵</p> <p>1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz</p>
Output Resolutions	<p>HDMI/USB-C (8-bit, YUV 4:4:4 / 4:2:2 or RGB, up to HDCP 2.2) 640x480⁸ 800x600⁸ 1024x768⁸ 1280x768⁸ 1280x800⁸ 1280x1024⁸ 1360x768⁸ 1440x900⁸ 1600x1200⁸ 1680x1050⁸ 1920x1200⁸ 1920x2160⁵ 2560x1440^{5,8} 2560x1600⁸ 720x480⁸ 720x576⁶ 1280x720^{6,8} 1920x1080^{2,3,5,6,8} 3840x2160^{3,5,6,8}</p> <p>HDBT Out (8-bit, YUV 4:4:4 / 4:2:0* or RGB, up to HDCP 1.4) 640x480⁸ 800x600⁸ 1024x768⁸ 1280x800⁸ 1280x1024⁸ 1360x768⁸ 1440x900⁸ 1600x1200⁸ 1680x1050⁸ 1920x1200⁸ 720x480⁸ 720x576⁶ 1280x720^{6,8} 1920x1080^{2,3,5,6,8} 3840x2160^{3,5,6*,8*}</p> <p>1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz</p>



Scan for more information, including product manual, specifications, and downloads



Audio	
Input Audio Port	1 x HDMI; 1 x USB-C In; 1 x LAN; 1 x Wi-Fi
Input Audio Signal	RAW PCM 2.0, 16 bit, 32/44.1/48KHz sps
Output Audio Port	1 x HDMI
Output Audio Signal	RAW PCM 2.0, 16 bit, 32/44.1/48KHz

Wi-Fi	
Standard	IEEE 802.11 a/b/g/n/ac
Frequency	Dual bands, 2.4~2.4835GHz, 5.0~5.8GH
Throughput	2T x 2R, up to 867Mbps
Security	WEP, TKIP, AES, WPA, WPA2

Control	
Control Connector	2 x RJ45, 10/100/1000Mbps Ethernet
Control Method	LAN (Web UI & Telnet API)

General	
Operating Temperature	0 to + 45°C (32 to + 113°F)
Storage Temperature	-20 to +70°C (-4 to + 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	12V 2A DC
Power Consumption	12W (Max)
Device Dimension (WxHx D)	8.46" x 0.98" x 6.29" (215mm x 25mm x 160 mm)
Net Weight	1.75lbs. (0.79kg)



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