



## HT-RANGER

BYOD Presentation Switcher



### PRODUCT OVERVIEW

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The HT-RANGER 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-RANGER includes multiple features such as automatic signal switching, CEC, Guide Screen, and OSD display.

### DESCRIPTION

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HT-RANGER is a collaboration presentation switch used for meeting room or workgroup collaboration. It has two wired video inputs, HDMI and USB-C with a maximum timing of 4K@30Hz 4:4:4, and a Wi-Fi casting input for AirPlay Mirroring and Miracast, allowing it to work as a BYOD receiver.

### FEATURES

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- Dual view presentation.
- Built-in Wi-Fi module for wireless connectivity with devices over AirPlay, Miracast, Smart View, and HT-Voyager.
- Supports HDMI input and output resolutions up to 4K@30Hz 4:4:4.
- Detailed On Screen Display (OSD) information.
- Device control using Web UI and Telnet API.
- Laptops connected to the HT-RANGER using the USB-C interface can access USB peripheral devices (i.e. cameras, microphones) connected to USB-A ports on the HT-RANGER.

Video	
Input Video Port	1 x USB In; 1 x HDMI In; 1 x LAN; 1 x WLAN
Input Video Signal	<ul style="list-style-type: none"> <li>HDMI: HDMI 1.4, HDCP 1.4</li> <li>USB-C: DisplayPort 1.1, HDCP 1.4</li> <li>LAN/WLAN: H.264</li> </ul>
Input Resolution	<p><b>HDMI:</b> 640x480<sup>s</sup>, 800x600<sup>s</sup>, 1024x768<sup>s</sup>, 1280x768<sup>s</sup>, 1280x800<sup>s</sup>, 1280x1024<sup>s</sup>, 1366x768<sup>s</sup>, 1366x768<sup>s</sup>, 1440x900<sup>s</sup>, 1400x1050<sup>s</sup>, 1600x1200<sup>s</sup>, 1680x1050<sup>s</sup>, 1920x1200<sup>s</sup>, 720x480<sup>p</sup> (480p), 720x576<sup>p</sup> (576p), 1280x720<sup>5</sup> (720p30), 1280x720<sup>6</sup> (720p50), 1280x720<sup>8</sup> (720p60), 1920x1080<sup>2</sup> (1080p24), 1920x1080<sup>3</sup> (1080p25), 1920x1080<sup>5</sup> (1080p30), 1920x1080<sup>6</sup> (1080p50), 1920x1080<sup>8</sup> (1080p60), 3840x2160<sup>5</sup>(2160p30)</p> <p><b>LAN/WLAN:</b> Up to 1920x1080<sup>5</sup> (1080p30) Note: The input resolution support for LAN or WLAN may vary according to the specific BYOD protocols and devices.</p> <p>1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz</p>
Output Video Port	1 x HDMI
Output Video Signal	HDMI 1.4, HDCP 1.4
Output Resolutions	<p>720x480<sup>s</sup> (480p60), 720x576<sup>p</sup> (576p60), 640x480<sup>s</sup>, 800x600<sup>s</sup>, 1024x768<sup>s</sup>, 1280x1024<sup>s</sup>, 1366x768<sup>s</sup>, 1440x900<sup>s</sup>, 1280x800<sup>s</sup>, 1680x1050<sup>s</sup>, 1920x2160<sup>5</sup>, 1600x1200<sup>s</sup>, 1920x1200<sup>s</sup>, 2560x1440<sup>5</sup>, 2560x1440<sup>8</sup>, 1280x720<sup>6</sup> (720p50), 1280x720<sup>8</sup> (720p60), 1920x1080<sup>6</sup> (1080i50), 1920x1080<sup>8</sup> (1080i60), 1920x1080<sup>2</sup> (1080p24), 1920x1080<sup>3</sup> (1080p25), 1920x1080<sup>5</sup> (1080p30), 1920x1080<sup>6</sup> (1080p50), 1920x1080<sup>8</sup> (1080p60), 3840x2160<sup>3</sup> (2160p25), 3840x2160<sup>5</sup> (2160p30)</p> <p>1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz</p>

Audio	
Input Audio Port	1 x HDMI; 1 x USB-C In; 1 x LAN; 1 x WLAN
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 433Mbps
Security	WEP, TKIP, AES, WPA, WPA2

Control	
Control Connector	1 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 (W x H x D)	215mm x 25mm x 120.2mm 8.46" x 0.98" x 4.73" (Antennas not included)
Net Weight	0.68kg/1.5lbs

