HT-TRK1
Apollo Technology Room Kit

FEATURES

- 4K Compatibility Built on long-range HDBaseT Technology
- Versatile, All-in-One System
- Control and Security
- DSP Mixing Function
- Built-In Audio System
- Power, Video and Control over Cat6a up to 330 feet
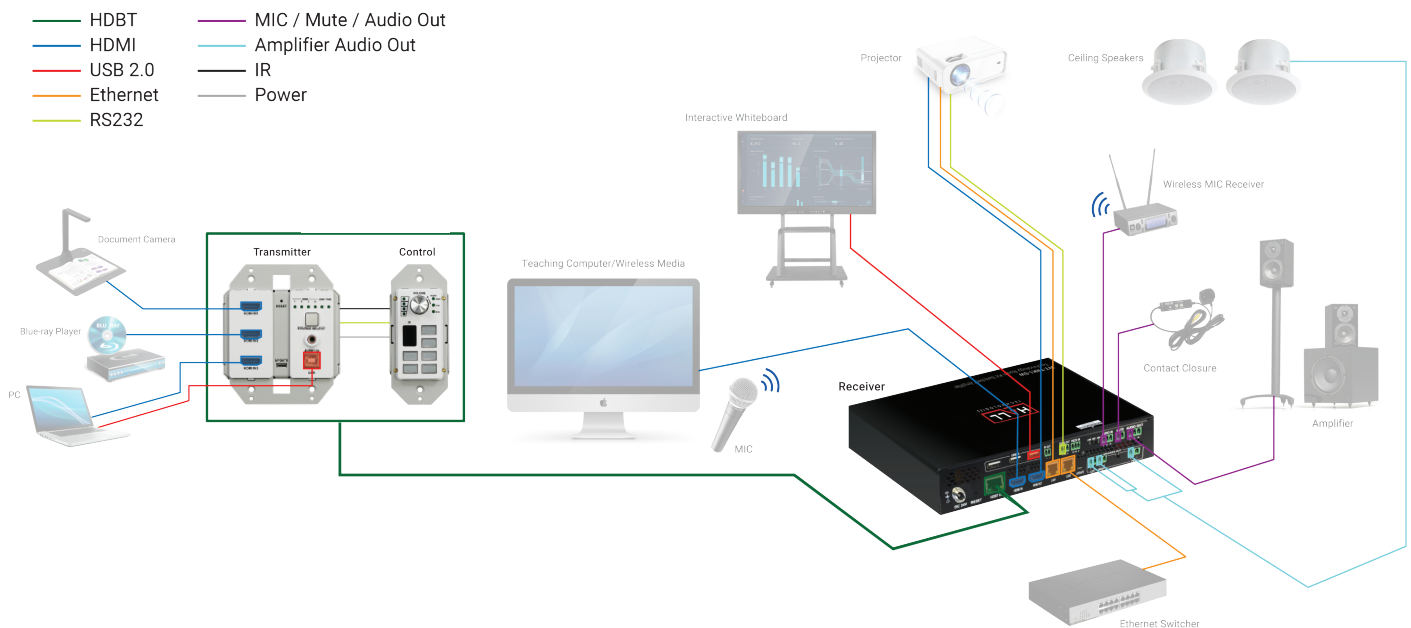- Simple Operation with Web GUI Interface

DESCRIPTION

Designed with ease-of-use, flexibility and reliability in mind, the APOLLO Room Kit offers a complete packaged solution for workspaces and learning environments alike. APOLLO provides HDMI video switching, system control, video extension and analog audio amplification – all in a convenient three-piece kit.

Utilizing the long-range HDBaseT technology, power, control, video up to 4K@60Hz and audio are transported over a single Category 6a cable between a wall plate transmitter and the receiver with a minimum transport distance of 30m/100ft. The wall plate control panel allows remote switching of the sources and volume control from a convenient location. You can switch among four HDMI Inputs, and you can scale the HDMI inputs up to 4K@60Hz.

Additionally, the receiver features a built-in Web UI for control and analog audio de-embedding to your choice of a built-in 20W stereo amplifier for driving low impedance speakers, a 70V amplifier for driving commercial 70V speakers or stereo analog audio outputs.

The system includes monitoring software for easy multi-room configuration, system monitoring and control along with easy firmware updating of all devices from a central networked computer. An integrated Ethernet switch allows easy configuration with the IP Network.

Technical

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Input/Output Port	**Transmitter:** 3 x HDMI IN; 1 x Source Selector Button; 1 x AUDIO IN; 1 x USB Type-B Host; 1 x Micro USB FW update port; 1 x HDBT OUT; 1 x RJ45; 1 x REBOOT button **Receiver:** 1 x HDBT IN; 1 x HDMI IN, 1 x HDMI OUT; 2 x LAN; 1 x Micro USB FW update port; 1 x 4Ω/8Ω SPEAKER OUT; 1 x 70V SPEAKER OUT; 1 x Speaker Out Select Switch; 3 x USB Type-A Device; 1 x IR OUT; 1 x RS232 IN; 1 x RS232 OUT; 1 x select switch (LINE IN/MIC IN/MIC IN with phantom power); 1 x AUDIO IN; 1 x MUTE IN; 1 x AUDIO OUT; 1 x DC 24V; 1 x RESET button **Control Panel:** 1 x Volume control knob; 1 x IR Sensor; 6 x Button; 1 x RJ45
Input Signal Type	**Transmitter** HDMI with 4K@60Hz YUV 4:2:0, HDCP 2.2 **Receiver** HDMI with 4K@60Hz YUV 4:4:4, HDCP 2.2
Input Resolution Supported	**HDMI IN on Transmitter:** **VESA:** 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280 x960[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1600x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8] **SMPTE:** 1280x720P[6,7,8], 1920x1080P[6,7,8], 3840x2160[2,3,5,8]*, 4096x2160[2,3,5,8]* 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 = at 60 Hz, * = 4:2:0 **HDMI IN on Receiver:** **VESA:** 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280x960[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1600x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8] **SMPTE:** 1280x720P[6,7,8], 1920x1080P[6,7,8] 3840x2160[2,3,5,8], 4096x2160[2,3,5,8] 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 = at 60 Hz
Output Signal Type	HDMI with 4K@60Hz YUV 4:4:4, HDCP 2.2
Output Resolution Supported	**VESA:** 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280x960[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1600x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8] **SMPTE:** 1280x720P[6,8], 1920x1080P[6,8] 3840x2160[2,3,5,6,8], 4096x2160[2,3,5,8] 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 = at 60 Hz **Note:** Built-in Scaler cannot output resolutions with Deep Color, HDR and 4:2:2/4:2:0 color space.
Audio Format	• HDMI IN/OUT: Stereo • All AUDIO IN & MIC/LINE IN: Stereo • AUDIO OUT & 4Ω/8Ω SPEAKER OUT: Stereo • 70V SPEAKER OUT: Mono
Maximum Data Rate	HDMI IN, HDBT OUT on transmitter & HDBT IN on receiver: 10.2Gbps HDMI IN & HDMI OUT on receiver: 18Gbps
Control Method	Control Panel; Button on transmitter; LAN control (Web UI/Telnet); RS232

General

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Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	DC 24V 5A
Power Consumption (Max)	81W
Device Dimension (W x H x D)	**Transmitter:** 89mm x 105.6mm x 43mm/ 3.5" x 4.16" x 1.69" **Receiver:** 215mm x 42mm x 160.2mm/ 8.46" x 1.65" x 6.31" **Control Panel:** 45mm x 105.6mm x 28.7mm/ 1.77" x 4.16" x 1.13"
Product Weight	Transmitter: 0.3kg/0.66lb Receiver: 1.43kg/3.15lb Control Panel: 0.16kg/0.35lb

Cable Type	Range	Supported Video
Cat 5e	100m/330ft	Up to 1080P@60Hz 36bpp
	90m/295ft	1080P@60Hz 48bpp
Cat 6/6a/7	100m/330ft	1080P@60Hz 3D 4K@30Hz 4:4:4 24bpp 4K@60Hz 4:2:0 24bpp
HDMI	Input: 15m/50ft Output: 10m/33ft	1080P@60Hz 24bpp
	Input/Output: 10m/33ft	4K@30Hz 4:4:4 24bpp 4K@60Hz 4:2:0 24bpp
	Input: 5m/16ft Output: 3m/10ft	4K@60Hz 4:4:4 24bpp