VigilLink

4x2 Multi-format Collaboration Switch with HDMI/HDBT3.0 330ft Extension

The collaboration switch is a pair of a host device and a remote device that includes USB-C and HDMI inputs for up to four host PCs, plus adds up to five(5) peripheral devices such as a camera, microphone, speakerphone, keyboard, and mouse with USB 2.0. The receiver also supports local HDMI+USB input for BYOD (Bring Your Own Device) or PC devices. Host and Remote devices support audio de-embedded to an analog balanced or unbalanced output.

Featured Highlights

- 4x2 Collaboration Switch with HDMI/HDBT 3.0 330ft(100m) extension
- HDMI 2.0b, HDCP 2.3, 18Gbps
- HDBaseT 3.0 4K@60Hz up to 330ft(100m)
- Supports HDR, HDR10+, Dolby Vision
- Host: 1x USB-C, 3x HDMI inputs, 3x USB 2.0 hosts and 3x USB 2.0 devices
- Remote: 1x HDBT, 1x HDMI input, 1x USB 2.0 hosts and 2x USB 2.0 clients
- USB-C supports ALT-DP mode for A/V, USB 2.0 data, and power charging up to 60 watts
- 4K to 1080p downscaling features on all HDMI outputs, no frame rate conversion
- Host/Remote both support analog audio de-embedding
- CEC and RS-232 external display control on both host and remote
- EDID management
- Host supports POE/PSE, Remote supports POE/PD (Remote doesn't have an external DC power supply)
- The front panel button, RS-232, and TCP/IP control (Host TCP/IP port for API and Web GUI)
- The host half rack size for easy installation

Connecting for a Smarter Future

SPECIFICATION

HDMI/ HDCP Compliance	HDMI 2.0b/ HDCP 2.3
Video Bandwidth	18 Gbps
Video Compression Standard	HDBT 3.0 (Uncompressed)
Audio/ Video Latency	Zero
Input and Output Video Resolutions	640x480p60Hz, 800x600p60Hz, 1024x768p60Hz, 1280x1024p60Hz,1360x768p60Hz, 1440x900p60Hz, 1440x1050p60Hz,1600x1200p60Hz, 1920x1200p60Hz, 720x480i59.94Hz(480i59), 720x480p59.94Hz(480p59), 720x576i50Hz(576i50), 720x576p50Hz(576p50), 1280x720p50Hz(720p50), 1280x720p59.94Hz(720p59) 1280x720p60Hz(720p60), 1920x1080i50Hz(1080i50), 1920x1080i59.94Hz(1080i59),1920x1080i60Hz(1080i60), 1920x1080p23.98Hz(1080p23),1920x1080p24Hz (1080p24), 1920x1080p25Hz(1080p25), 1920x1080p29.97Hz(1080p29), 1920x1080p30Hz(1080p30), 1920x1080p50Hz(1080p50), 1920x1080p59.94Hz(1080p59), 1920x1080p60Hz(1080p60) 3840x2160p23.98Hz(2160p23), 3840x2160p24Hz(2160p24), 3840x2160p25Hz(2160p25), 3840x2160p29.97Hz(2160p29), 3840x2160p30Hz(2160p30), 3840x2160p50Hz(2160p50), 3840x2160p59.94Hz(2160p59), 3840x2160p60Hz(2160p60), 4096x2160p23.98Hz, 4096x2160p24Hz, 4096x2160p25Hz, 4096x2160p29.97Hz, 4096x2160p30Hz, 4096x2160p50Hz, 4096x2160p59.94Hz, 4096x2160p60Hz
Color Depth	8/10/12bit
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Support	**USB-C/HDMI/HDBT:** LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD **Audio Out** [Analog audio, Balanced/unbalanced 2CH, Max output level 2VRMS]
Transmission	HDMI 3M USB-C 2M HDBT 100M 4K @Cat6A
LED Indicators Color	Input LED: Green Input SEL: Black Button with Green backlit
IR Level/ Frequency	12Vp-p/ 20K-60KHz

MECHANICAL

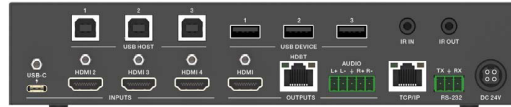|	
Housing Material	Aluminum+Iron
Color	Black
Dimensions	TX: W x D x H: 220mm x 150mm x 44mm RX: W x D x H: 140mm x 105mm x 21.5mm
Weight	N/A
Power Supply	24V/4A Power Adaptor
Power Consumption	N/A
Operating Temperature	N/A
Storage Temperature	N/A
Relative Humidity	N/A

INTERFACE/ CONNECTIONS

Host - Front Panel

1x IR Receive Window
4x HDMI OUT SEL LED [Green color]
1x HDMI OUT SEL Button [Black Button with Green backlit]
4x HDBT OUT SEL LED [Green color]
1x HDBT OUT SEL Button [Black Button with Green backlit]
1x POWER Button [Black Button with Green backlit]

Host - Rear Panel

3x USB HOST [Type B, 4-pin female]
3x USB DEVICE [USB Type A, 4-pin female]
[VBUS max 5V/500MA, USB device ports output power only when USB Host is present]
1x IR IN [3.5mm audio jack, 12V level]
1x IR OUT [3.5mm audio jack, 12V level]
1x USB-C IN [Type A, 24-pin female] [Alt-mode, DP, USB 2.0, 60W charging]
3x HDMI IN [Type A, 19-pin female]
1x HDMI OUT [Type A, 19-pin female]
1x HDBT OUT [RJ45 connector] [48V POE/PSE]
1x AUDIO OUT [5-pin phoenix, 3.81MM pitch]
[Analog audio out, Balanced/unbalanced 2CH, Max output level 2VRMS]
1x TCP/IP [RJ45 connector]
1x RS-232 [3-pin phoenix, 3.81MM pitch]
1x DC Locking Connector [24V/4A]

RX- Front Panel

1x POWER LED [Red SMT]
1x LINK LED [Green SMT]
1x VIDEO LED [Green SMT]
1x HDBT LED [Green SMT]
1x HDMI LED [Green SMT]
1x SELECT Button [HDBT/HDMI input select]
1x IR IN [3.5mm audio jack, 12V level]
1x IR OUT [3.5mm audio jack, 12V level]
2x USB DEVICE [USB Type A, 4-pin female]
[VBUS max 5V/500MA, USB device ports output power only when USB Host is present]
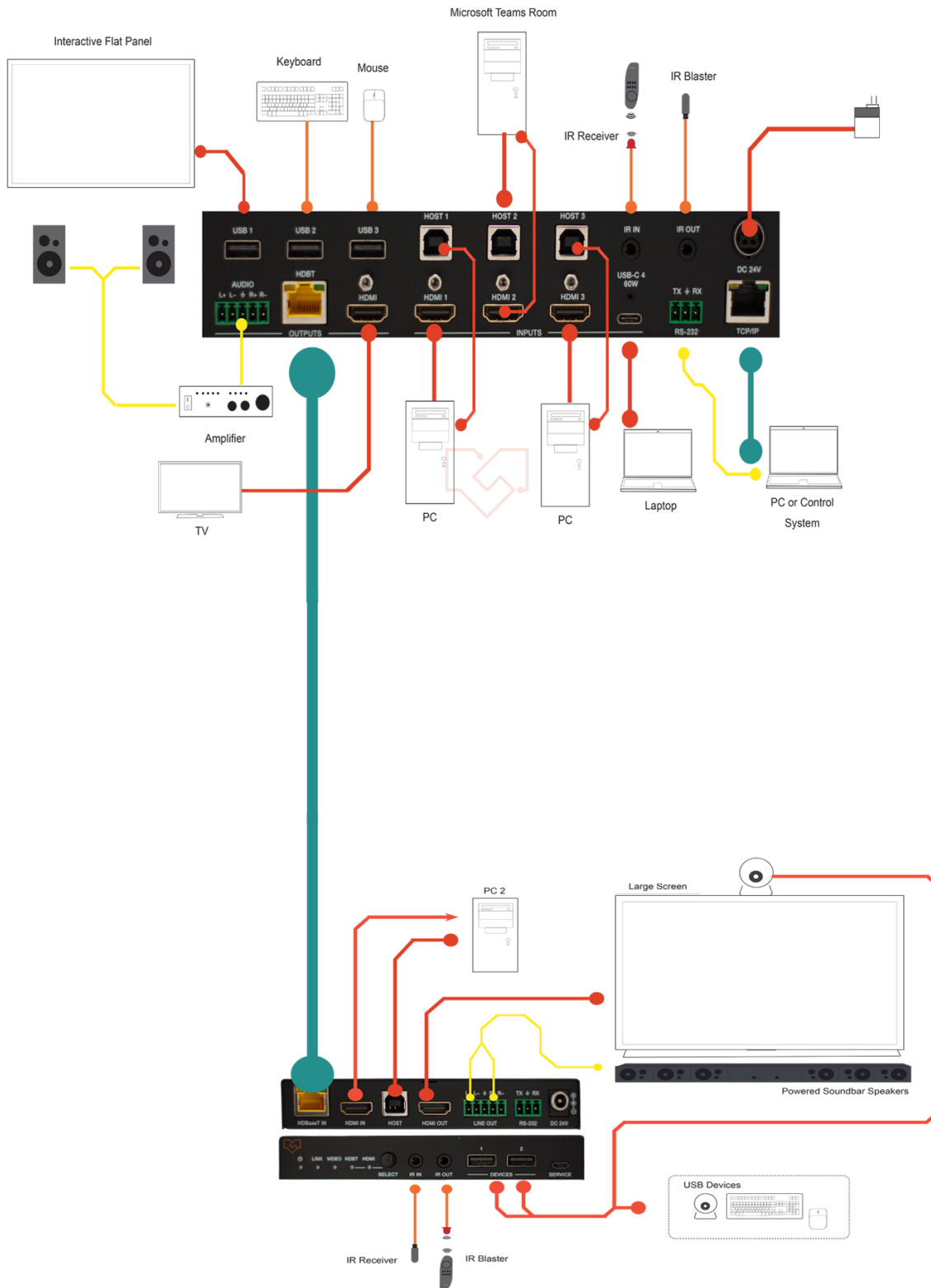1x Service [Micro USB, 5-pin female]

RX - Rear Panel

1x HDBT IN [RJ45 connector] [48V POE/PD] 1x HDMI IN [Type A, 19-pin female]
1x USB HOST [Type B, 4-pin female]
1x HDMI OUT [Type A, 19-pin female]
1x LINE OUT [5-pin phoenix, 3.81MM pitch]
[Analog audio out, Balanced/unbalanced 2CH, Max output level 2VRMS]
1x RS-232 [3-pin phoenix, 3.81MM pitch]
1x DC Locking Connector [24V/1A,19MM]

Shipping Group	Host Device, Remote Device, Remote Controller, Power Supplier

APPLICATION EXAMPLE

Applications: Conference Rooms, MTR (Microsoft Teams Room), Zoom Room, and Operating Rooms