

# HDBaseT 3.0 Extender

## Professional A/V & KVM



### HDMI KVM Extender KEX-HBT3-SH5K90

Supporting Dual KVM Console, Local Out,  
720P Video Return, Audio Embedding/Extracting,  
RS-232 Extension, USB 2.0 Extension,  
4K / 5K / ATC / Medical Resolutions Support

### Product Features

- ☆ Enables reliable, high-speed remote access to an ultra-wide, 4K, ATC or Medical video source over a 70 - 90m CAT6a/7 cable.
- ☆ EDID management enables HDMI 2.0 to support ultra-wide 5K video, exceeding the regular HDMI 2.0 limitations.
- ☆ HDBaseT 3.0 technology supports HDMI 2.0 KVM extension over a CAT6a/7 cable.
- ☆ USB 2.0 extension widely supports keyboards, mice, storage devices, cameras, touch screens, and other USB devices.
- ☆ Serial extension facilitates industrial control or integration with central control system.
- ☆ Audio embedding allows insertion of voice or audio content into the HDMI video, replacing the native HDMI audio.
- ☆ Audio extraction enables connection to an external audio system.
- ☆ HDCP 2.2/1.4 compliance ensures proper 4K (Blu-ray) video playback.
- ☆ HDR 10 provides the best visual experience.
- ☆ ARC (Audio Return Channel) and CEC pass-through enable compatibility with soundbars and AV receivers.



# HDBT<sup>TM</sup> ASE HDBaseT 3.0

## KEX-HBT3-SH5K90

### Specifications

KEX-HBT3-SH5K90		Transmitter Unit	Receiver Unit
<b>Max Resolution</b>		3840 x 2160 @60Hz (4:4:4) 4096 x 2160 @60Hz (4:4:4)	
<b>EDID Management</b>		Supports Auto and Manual Copy of EDID and setting the following resolutions: <ul style="list-style-type: none"> <li>• <b>16:18</b> ▶ 2560x2880@60Hz, 3840x4320@30Hz</li> <li>• <b>16:19</b> ▶ 3840 x 2160 @60Hz, 4096 x 2160 @60Hz, 5120x2880@30Hz</li> <li>• <b>32:9</b> ▶ 5120x1440@60Hz, 7680x2160@30Hz</li> <li>• <b>ATC</b> ▶ 2048x2048@60Hz</li> <li>• <b>Medical</b> ▶ 3072x2048, 3280x2048, 4200x2800</li> </ul>	
<b>Video Extension</b>	<b>Main</b>	Video Input x 1	Video Output x 1
	<b>AUX</b>	HDMI 2.0 Out x 1 (Local or Video Return)	HDMI Input x 1 (720P Video Return)
<b>HDCP Compliance</b>		HDCP 2.2 and HDCP 1.4	
<b>Link Port</b>		RJ-45 x 1 (CAT6a/7)	
<b>Extension Distance</b>		70 ~ 90m @ 4K60Hz (4:4:4)*	
<b>USB 2.0 Extension</b>	USB-B x 1 (To Host)		USB-A x 3 (Front)
	USB-A x 3 (Local Device)		USB-A x 1 (Rear)
<b>Serial Extension</b>		RJ-11 x 1	RJ-11 x 1
<b>Audio Extension</b>	3.5mm Audio Input x 1		3.5mm Audio Output x 1
	3.5mm MIC Output x 1		3.5mm MIC Input x 1
<b>Push Buttons</b>		Audio Embed x 1 Video Mode x 1	Audio Embed x 1 Audio Extract x 1
<b>LED Indicators</b>		Audio Embed x 1 Video Mode x 1 Status x 1	Audio Embed x 1 Audio Extract x 1 Status x 1
<b>Power Supply (Max) / Typical Consumption</b>		DC 12V/1.5A (15W) 5.4W (Typical)	DC 12V/1.5A (15W) 6.6W (Typical)
<b>H x W x D (mm)</b>		30 x 110 x 135	
<b>Operating Environment</b>		Temperature 0 ~ 50°C, Humidity 0 ~ 80%	
<b>Storage Temperature</b>		-20 ~ 60°C	

\* Extended distance depends largely on the quality of the cables. Certified HDBaseT 3.0 Premium cabling is recommended.

### Connection Diagram

