



AV Connectivity, Distribution And Beyond...

VIDEO WALLS VIDEO PROCESSORS
VIDEO MATRIX SWITCHES
EXTENDERS SPLITTERS WIRELESS
CABLES & ACCESSORIES

HBT-C6IR-SET

HDBaseT HDMI Extender Set Single CAT5/6
with Bi-Directional IR

HDMI EXTENDER



KEY FEATURES

- HDBaseT-Lite technology
- HDMI 4K2K@30, Full HD 1080p, Deep Color & 3D
- Supports default resolutions 480p, 720p, 1080p and HDCP & EDID Bypass
- Extends up to 60m (198ft) (1080p)
- Extends up to 40m (130ft) (4K@30)
- Lossless Multi-channel audio formats (DTS-HD Master Audio, Dolby TrueHD, Dolby True HD)
- EC support to control supported devices for common user controls via HDMI
- Auto Equalization built-in to ensure the high quality video/audio is transmitted
- Support Bi-Directional IR signals 20 KHz to 60 KHz
- Supports CEC (Consumer Electronic Control)
- Wall mounting housing design for easy and robust installation



NOTE: Higher resolutions and longer transmission distances require low skew cables (<25ns/100m) for best performance.
Unshielded CAT6 with metal RJ-45 connectors is recommended.

HBT-C6IR-SET

HBT-C6IR-R

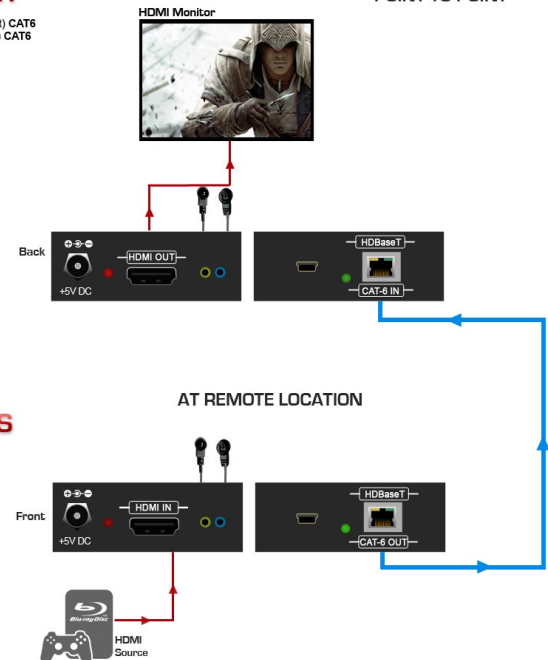
1080p60 = 60m (198 feet) CAT6
4K2K@30 = 25m (82 feet) CAT6

CABLE INDEX

- Input / Output
- CAT-5e / CAT-6

Application Diagram 1

POINT TO POINT



PANEL DESCRIPTION

Back Panel

Front Panel



- | | |
|---------------|--------------|
| 1 Power | 2 LED |
| 3 HDMI In | 4 IR Blaster |
| 5 IR Receiver | 6 LED |
| 7 RJ45 Out | |



ITEM

SPECIFICATION

ITEM	SPECIFICATION	
Units	HBT-C6IP-S	HBT-C6IP-R
Unit Description	HDMI Transmitter	HDMI Receiver
Video Bandwidth	Single-link 340MHz [10.2Gbps]	
Supported Resolutions	480i / 480p / 720p / 1080i / 1080p60 / 4K@30	
Resolution and Distance @ 8-Bit	Full HD: (1080p) ~ 60meter (198feet) (CAT5e/6) 4K@30: (3840 pixels × 2160) ~ 40meter (130feet) (CAT5e/6)	
Audio Support	Lossless Multi-channel audio formats (DTS-HD Master Audio, Dolby TrueHD, Dolby True HD)	
Input	1x HDMI, 1x 3.5mm 1x mini-USB	1x RJ-45 HDBaseT, 1x 3.5mm 1x mini-USB
Output	1x RJ-45 HDBaseT 1x 3.5mm	1x HDMI 1x 3.5mm
HDMI Connector	Type A (19 pin female)	
RJ45 Connector	WE/SS 8P8C with 2 LED indicators	
USB Connector	Mini B	
3.5mm Connector	IR receiver / IR blaster	IR receiver / IR blaster
Dimensions (L X W X H)	3" x 3.5" x 1"	3" x 3.5" x 1"