level one ®

HVE-9200
HVE-9200P
HVE-9211R
HVE-9211PR
HVE-9214T
HVE-9214PT

HDBaseT HDMI over Cat.5 Extender

H/W Version: 1

The HVE-92 series is a HDMI extension solution supports HDBaseT technology which transmits HDMI signal and multi-channel audio at resolution Ultra HD 4K x 2K (3840 x 2160 @ 30Hz) and 1080p Full HD up to 100m via Cat5e or Cat6 cable.

The series of products are embedded with EDID priority management of HDMI outputs supports EDID Hotplug refreshing function. These products also provide Bi-Directional RS-232 and IR to control the connected devices from either source or display location.
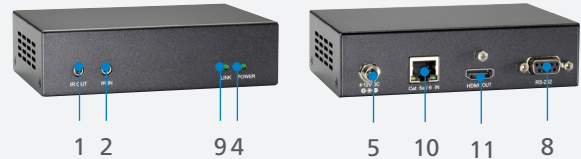
All the features are made to simplify installation and reduce costs, but at the same time providing exceptional video and audio quality. The HVE-92 series is the perfect solution for Digital Signage, trade shows, home theater installations, medical facilities, and other public exhibitions.
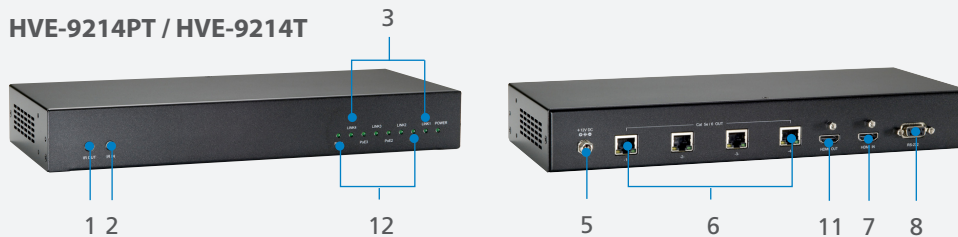
HVE-9211PT / HVE-9211T

1 2   3 4   5 6 7   8

HVE-9211R / HVE-9211PR

1 2   9 4   5 10   11   8

HVE-9214PT / HVE-9214T

1 2   12   5   6   11 7 8

1. IR Cable Out
2. IR Cable In
3. Rx Link Active
4. Power Indicator
5. Power In
6. RJ-45 Out / PoE Out
   (HVE-9211PT / 9214PT)
7. HDMI In
8. RS-232 Port
9. Tx Link Active
10. RJ-45 In / PoE In
    (HVE-9211PR)
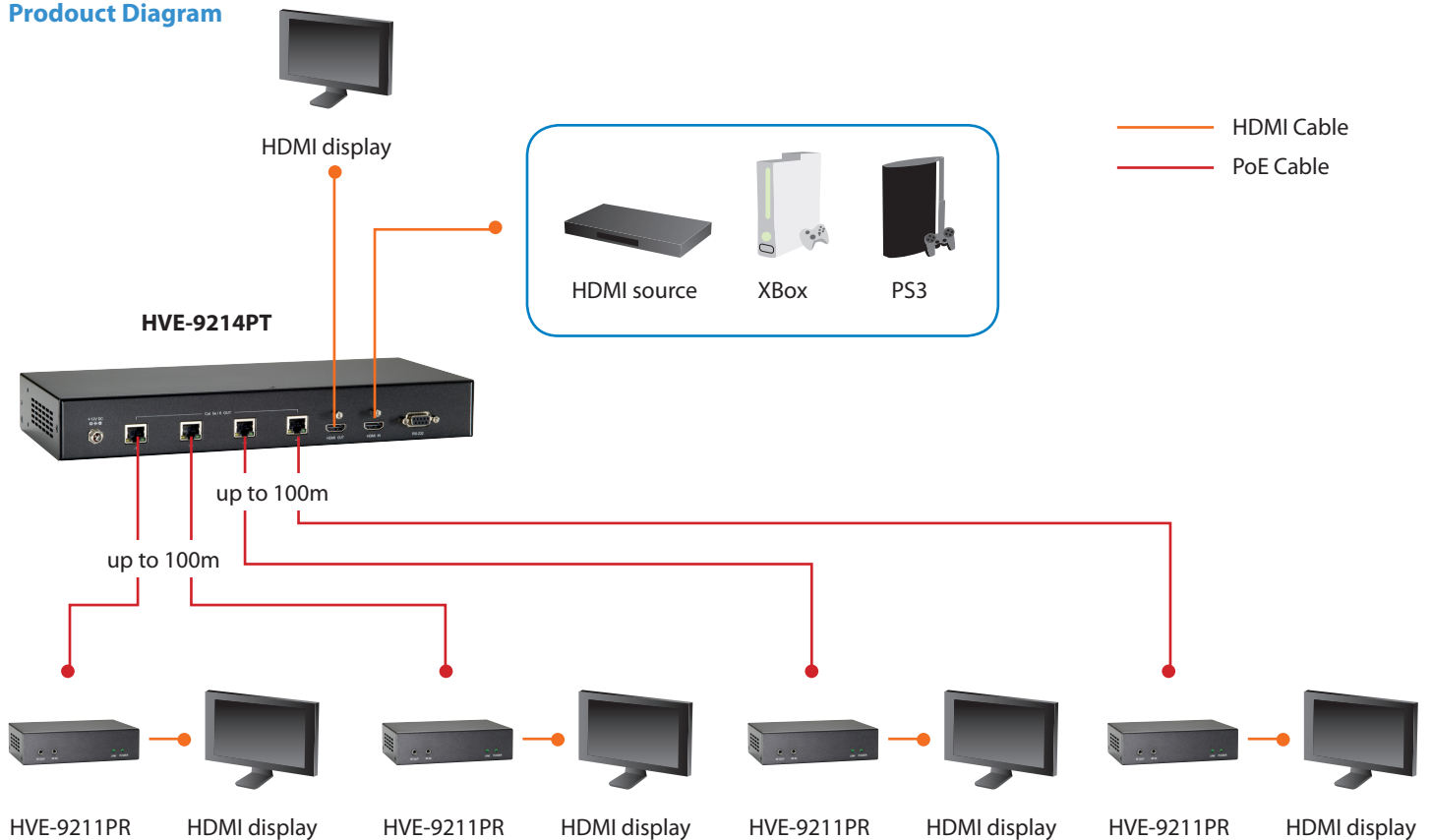11. HDMI Out
12. PoE Link

Key Features

- IEEE 802.3af PoE compliant to simplify deployment and installation (only for the devices with PoE support)
- Simple Plug and Play installation
- Built-in EDID Hotplug Detection
- EDID priority management of HDMI outputs
- Transmission distance of up to 100m for HDMI(4k2k), IR and RS-232
- Bi-Directional RS-232 pass through & IR Control
- Supports video resolutions up to 3840 x 2160 (4K x 2K) @ 30Hz
- HDMI and HDCP complaint
- Supports Dolby TrueHD, DTS-HD Master Audio, Dolby Digital Plus, LPCM 7.1 audio
- Supports 3D, CEC & Lip Sync pass-through
- Screw-in power socket for added safety

Technical Specifications

Model No.	HVE-9200		HVE-9200P		HVE-9214T	HVE-9214PT
	HVE-9211T	HVE-9211R	HVE-9211PT	HVE-9211PR		
Product Name	HDMI over Cat.5 Transmitter, HDBaseT, 100m	HDMI over Cat.5 Receiver, HDBaseT, 100m	HDMI over Cat.5 Transmitter, HDBaseT, 100m, 802.3af PoE	HDMI over Cat.5 Receiver, HDBaseT, 100m, 802.3af PoE	HDMI over Cat.5 Transmitter, HDBaseT, 100m, 4 Channel Outputs	HDMI over Cat.5 Transmitter, HDBaseT, 100m, 4 Channel Outputs, 802.3af PoE
Input	HDMI Type-A Female x 1 RS-232 ×1 3.5mm IR Jack ×1 Power Jack x1	RJ-45 x 1 RS-232 ×1 3.5mm IR Jack ×1 Power Jack x1	HDMI Type-A Female x 1 RS-232 ×1 3.5mm IR Jack ×1 Power Jack x1	PoE RJ-45 x 1 RS-232 ×1 3.5mm IR Jack ×1 Power Jack x1	HDMI Type-A Female x 1 RS-232 ×1 3.5mm IR Jack ×1 Power Jack x1	HDMI Type-A Female x 1 RS-232 ×1 3.5mm IR Jack ×1 Power Jack x1
Output	RJ-45 x 1 3.5mm IR Jack ×1	HDMI Type-A Female x 1 3.5mm IR Jack ×1	PoE RJ-45 x 1 3.5mm IR Jack ×1	HDMI Type-A Female x 1 3.5mm IR Jack ×1	RJ-45 x 4 HDMI Type-A Female x 1 3.5mm IR Jack ×1	PoE RJ-45 x 4 HDMI Type-A Female x 1 3.5mm IR Jack ×1
Deep Color	48bit	48bit	48bit	48bit	36bit	36bit
Power Supply	DC 12V/1A	DC 12V/1A	DC 12V/2A	PoE	DC 12V/6.6A	DC 12V/6.6A
Power Consumption	200mA	400mA	1110mA	1110mA	5000mA	5000mA
Casing	Metal	Metal	Metal	Metal	Metal	Metal
Dimensions	125 x 85 x 40mm	125 x 85 x 40mm	125 x 85 x 40mm	125 x 85 x 40mm	300 x 160 x 44mm	300 x 160 x 44mm
Resolution	Ultra HD 4K x 2K (3840 x 2160 @ 30Hz) and 1080p Full HD					
Distance	up to 100m (with Cat.5e or Cat.6 cable)					
Video Bandwidth	10.2Gbps					
IR Bandwidth	38kHz					
RS-232 Baud Rate	115200bps					

Produouct Diagram

Order Information　　　HVE-9200: HDMI over Cat.5 Extender Kit, HDBaseT, 100m

HVE-9200P: HDMI over Cat.5 Extender Kit, HDBaseT, 100m, 802.3af PoE

HVE-9211R: HDMI over Cat.5 Receiver, HDBaseT, 100m

HVE-9211PR: HDMI over Cat.5 Receiver, HDBaseT, 100m, 802.3af PoE

HVE-9214T: HDMI over Cat.5 Transmitter, HDBaseT, 100m, 4 Channel Outputs

HVE-9214PT: HDMI over Cat.5 Transmitter, HDBaseT, 100m, 4 Channel Outputs, 802.3af PoE

Package Contents　　　HVE-9200: Transmitter Unit (HVE-9211T) x1, Receiver Unit (HVE-9211R) x1, IR Remote Control x 2 (Transmitter and Receiver), Locking DC 12V 1A Power Adapter x 2, AC Power Cord x 2, User Manual x 1

HVE-9200P: Transmitter Unit (HVE-9211PT) x1, Receiver Unit (HVE-9211PR) x1, IR Remote Control x 2 (Transmitter and Receiver), Locking DC 12V 2A Power Adapter x 1, (Rx powered by PoE), AC Power Cord x 1, User Manual x1

HVE-9211R: HDBaseT 100m Receiver x 1, IR Remote Control x 1, Locking DC 12V 1A Power Adapter x 1, AC Power Cord x 1, User Manual x 1

HVE-9211PR: HDBaseT 100m Receiver x 1, IR Remote Control x 1, User Manual x 1

HVE-9214T: HVE-9214T x 1, IR Remote Control x 1, Locking DC Power Adapter x 1, AC Power Cord x 1, User Manual x 1

HVE-9214PT: HVE-9214PT x 1, IR Remote Control x 1, Locking DC Power Adapter x 1, AC Power Cord x 1, User Manual x 1