



HDSpider™ 4-Port Cat.5 HDMI Sender



HVE-9004

H/W Version: 2

What is HDMI?

The High-Definition Multimedia Interface (HDMI) is a revolutionary technology that allows viewers to experience the highest quality digital images available. It is able to deliver top-quality video as well as audio over a single cable.

This growing technology is great for displays in many different situations: movie theatres, concert halls, public transportation, malls, shops, airports, schools, etc.

Is HDMI 1.3 backward compatible with prior releases of the HDMI and DVI spec.?

HDMI 1.3 supports the demands of future high definition display devices, such as higher resolutions, high frame rates and Deep Color. Fully backward compatible with all prior releases of the HDMI spec, as well as DVI compliant devices.

What Products or applications will take advantage of new HDMI 1.3 capabilities?

New high-definition DVD formats (HD-DVD and Blu-

Ray) and game machines (PS3 and X-Box) will make use of capabilities added in HDMI 1.3. Digital television will be able to present images that are closer to real life than previously has been possible.

Introducing the HDSpider™ Series from LevelOne

The HDSpider™ Series is a collection of HDMI Cat.5 senders and receivers, offering a full range of HDMI extender solutions. Choose from our 7 different HDSpider extenders to build a flexible network to send your high-quality HDMI signals to greater distances, and at a reduced cost.

What does a Cat.5 receiver do?

This compact and simple to use device is deployed on the receiving end, where the HD monitor is located. Using Cat.5 cable to send the HDMI signal is the best way to reach extended distances and HVE-9000 also has a built-in equalization knob to help you fine tune your HD network.

To see this device in action, please see the diagram below.



1. Power LEDs
2. Dip Switch
3. HDMI Input Port
4. RJ-45 Output Port
5. USB Port (Firmware Upgradable)
6. Power Jack

Key Features

- Works with Cat.5, Cat.5e, Cat.6 Ethernet cable
- Transmission Distance of up to 60m for 1080i or 40m for 1080p
- Minimize the cable skew using 8-level adjustable equalization knob
- Provides Higher speed - 6.75Gbps
- HDMI deep color enables display with more natural and vivid colors
- HDMI 1.3c compliant

Works Well With



HVE-9000
HDSpider™ Long Range Cat.5
HDMI Receiver



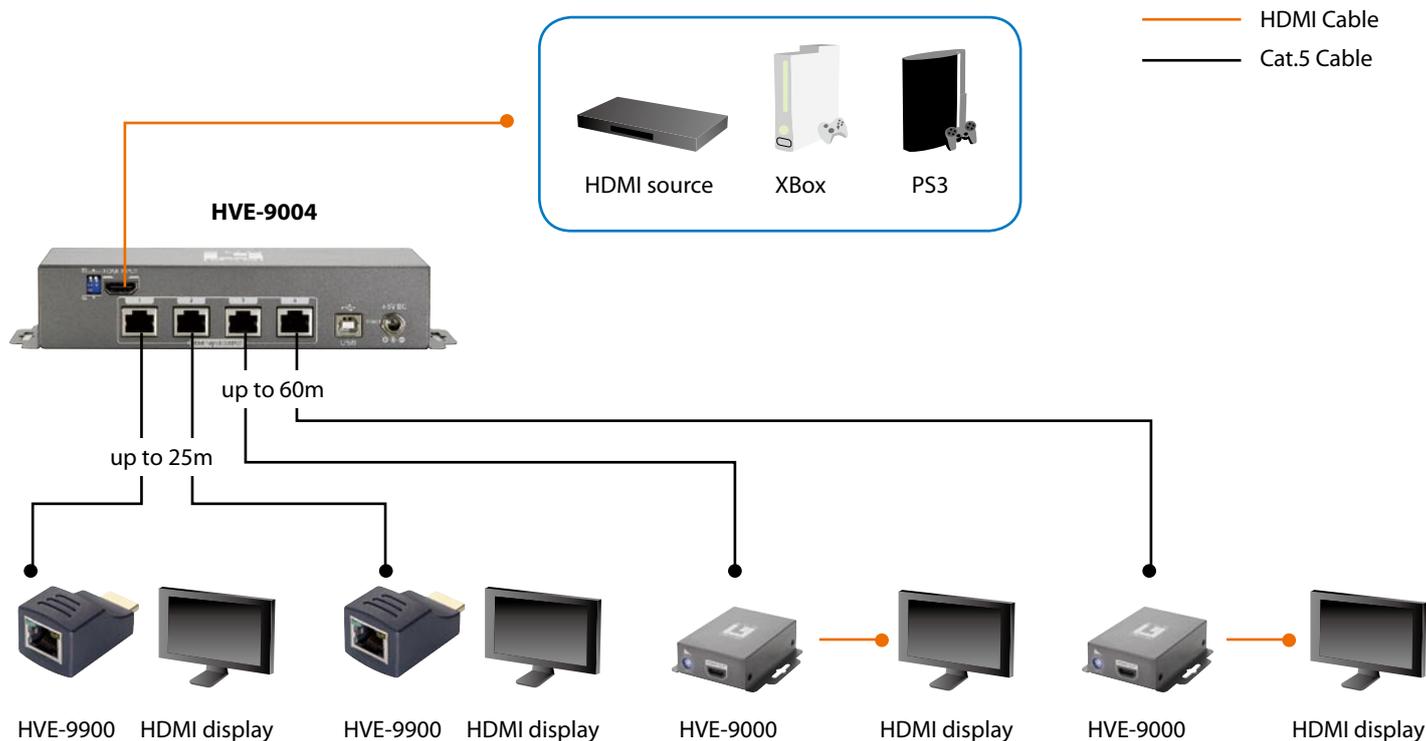
HVE-9900
HDSpider™ Short Range Ca.5
HDMI Receiver



Technical Specifications

Type	HDMI Transmitter		HDMI Receiver	
Model No.	HVE-9004	HVE-9008	HVE-9000	HVE-9900
Product Name	HDSpider™ 4-Port Cat.5 HDMI Sender	HDSpider™ 8-Port Cat.5 HDMI Sender with Local HDMI Output	HDSpider™ Cat.5 HDMI Long Range Receiver	HDSpider™ Cat.5 HDMI Short Range Receiver
HDMI Compliance	HDMI 1.3c			
HDCP Compliance	Yes			
Video bandwidth	Single -link 225MHz (6.75Gbps)			
RJ-45 Input	-	-	1	1
RJ-45 Output	4	8	-	-
HDMI Input	1	1	-	-
HDMI Output	-	1	1	1
Max Resolution	Full HD (1080p)-40m (130ft) thru Cat.5e HD (720p/1080i)-50m (165ft)thru Cat.5e	Full HD (1080p)-50m (165ft) thru Cat.6 HD (720p/1080i)-60m (200ft) thru Cat.6	Full HD (1080p)-15m (50ft) thru Cat.5e Full HD (1080p)-18m (65ft) thru Cat.6 HD (720p/1080i)-25m (80ft) thru Cat.5e HD (720p/1080i)-30m (100ft) thru Cat.6	
Audio	7.1-channel surround sound or stereo digital audio			
Equalization	N/A	Built-in	8-level digital control at RX	-
Input TMDs signal	1.2 Volts (peak-to-peak)			
Input DDC signal	5 Volts (peak-to-peak, TTL)			
ESD protection	1. Human body model- ±15KV 2. Core chipset- ±2KV			
Power supply	5VDC /4Am		5VDC/2Am	-
Power Consumption	10 Watts (max)	13 Watts (max)	1 Watt (max)	0.5 Watt (max)
Dimensions (L x W x H)	215 x 85 x 40 mm	438 x 158 x 44 mm	93 x 60 x 25 mm	25 x 45 x 20 mm
Rack-mount with ears	Yes	Yes (19-inch rack-mount design)	Yes	No
Weight	0.55kg (1.2lbs)	1.4kg (3.0lbs)	405g (0.89lbs)	180g (1.3lbs)
Operating Temp.	0~40°C			
Storage Temp.	-20~60°C			
Humidity	20~90% Non-Condensing			

Product Diagram



Order Information

HVE-9004: HDSpider™ 4-Port Cat.5 HDMI Sender

Package Contents

HVE-9004 x 1

Power Adapter x 1

User Manual x 1