

HDMI Single Cable CAT5E Extender

HDMIEXTV2



Quick Start Guide

Please read these instructions carefully before operating the unit and keep for further reference. All the examples and pictures used here are for reference only. The contents of this manual are subject to change without notice.

The Genie HDMIEXTV2 is a HDMI extender that uses an Ethernet cable to extend HDMI signal with transmission distance up to 70 meters and resolution up to 1080p. The RX unit has a built-in HDMI connector that allows the receiver to directly connect to an HDMI display without any external power required.

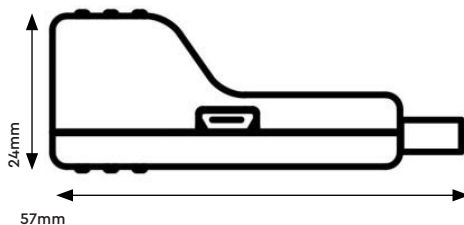
Features

- Supports HD TVI, AHD, HDCVI, PAL, NTSC, SECAM video formats
- Resolution up to 1080p @ 60Hz
- Signal extension up to 70m
- No external power required
- Built-in micro USB port as a redundant power supply

Specifications

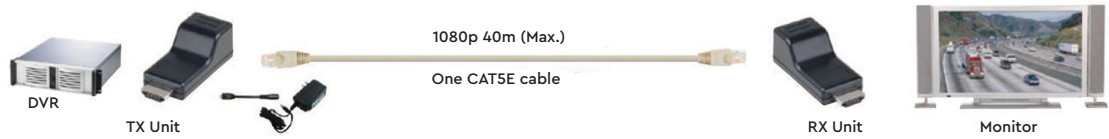
Supports	Video Bandwidth	2.25 Gbps (HDMI 1.3)
	Resolution	Up to 1920 × 1200 @ 60hz
	Input TMDs Video Signal	Input TMDs Video Signal 1.2 Vp–pp
	Input DDC Signal	5 Vp–p (TTL)p (TTL)
	Transmission Distance	40m @ 1920×1200, 70m @ 1280×720
Ports & Interfaces	HDMI Connector	HDMI Type A
	Link Connector	RJ45 × 1
Others	Power Connector	Micro USB x 1 (Only TX unit)
	Power Supply	5V 1Amp (Optional)
	Temperature	Operation: 0 to 55°C Storage: -20 to 85°C Humidity: Up to 95%
	Dimensions	57 × 24 × 22.2 mm
	Weight	20g

Dimensions



Connect 5V power adapter via the built-in micro USB when HDMI source doesn't provide enough power to the receiver.

Application



LED Indication

Green: Power on/off

Yellow: Reserve

Transmission Chart

The transmission distance will be affected by DVR/NVR or cable quality.

HDMIEXTV2 TX to HDMIEXTV2 RX

Resolution	Distance based on based on CAT5eCAT5e
1920×1200	40m
1920×1080	40m
1280×1024	60m
1280x 720	70m
1024 x768	70m

Supported Resolution

- 1920×1200 @ 60Hz
- 1920×1080 @ 60Hz
- 1680×1050 @ 60Hz
- 1600×1200 @ 60Hz
- 1600×900 @ 60Hz
- 1440×900 @ 60Hz
- 1280×1024 @ 60Hz
- 1280×960 @ 60Hz
- 1280×800 @ 60Hz
- 1280×720 @ 60Hz
- 1024×768 @ 60Hz
- 800×600 @ 60Hz

Cable

- It is recommended using high quality CAT5 e/6 UTP cable , especially when transmission range over 30m.
- It is not recommended using STP or flat cable which may cause video loss

RJ45 Define

Video Link (use TIA/EIA568 B)

1. Orange-white	TMDS DATA2 +
2. Orange	TMDS DATA2 -
3. Green-white	TMDS CLOCK + / HDMI 5V
4. Blue	TMDS DATA1 +
5. Blue-white	TMDS DATA1 -
6. Green	TMDS CLOCK - / GND
7. Brown-white	TMDS DATA0 +
8. Brown	TMDS DATA0 -

Caution

1. The cabling must away from any equipment with electromagnetic wave, i.e. microwave, ovens, mobile phones, radio equipment, high voltage, power line.
2. Working distance will be varied based on different equipment.
3. The wiring must be straight through, do not circle the cable to avoid crosstalk interference.
4. HDCP is not supported.
5. HDMIEXTV2 isn't a networking product, thus please do not connect with any Ethernet device to avoid any damage.

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