



GOLDEN STATE INSTRUMENT CO.

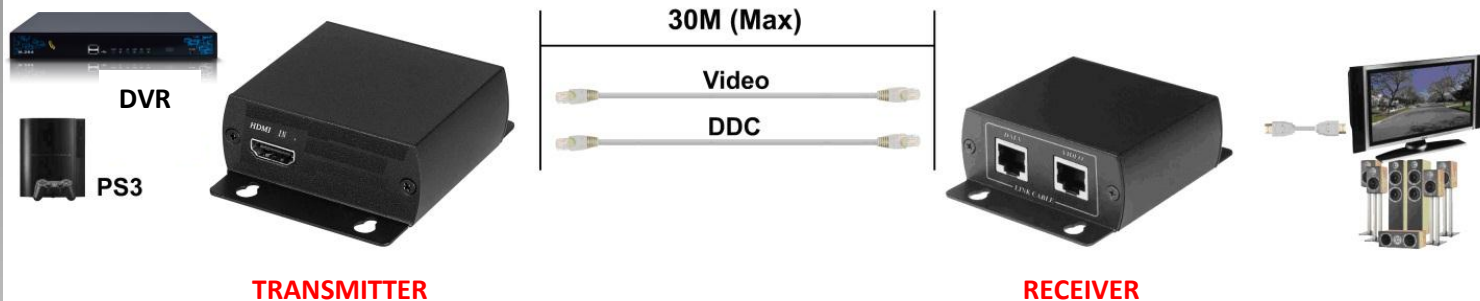


GS-HDMI-EXT HDMI OVER CAT5

GSI's HDMI extender set allows you to transmit HDMI signals up to 70 Meters on 1080i or 30 Meters at 1080p. This is the perfect and cost effective solution to run long distance HDMI cables.

Features:

- **2 Piece Set - Extends HDMI signal over two CAT5/5e/6 cables.**
- **Transmission range up to 70M at 1080i, 30M at 1080p resolution.**
- Including local and remote unit.
- No power need within 30meters.
- External power supply requested at remote unit for transmission range over 30 meters.
- Hi quality digital video and audio over CAT5 without any signal loss.
- HDMI compliant.
- HDCP compliant.



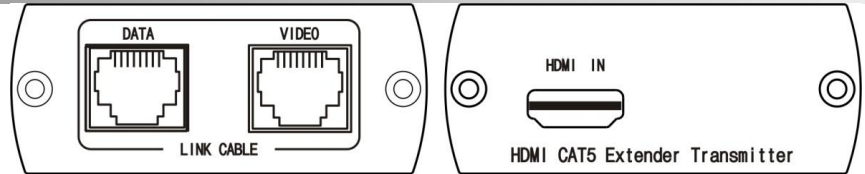
Specifications:

ITEM NO.	TRANSMITTER	RECEIVER
Resolution	480i/480p/720p/1080i/1080p	
Link Cable Distance	CAT5E 70M@1080i , CAT5E 30M @1080p	
HDMI Cable Distance	28 AW HDMI Cables 5M @1080p	
HDMI Connector	HDMI A Type x 1 (Input)	HDMI A Type x 1 (Output)
Link Connector	RJ-45 Shielded x 1	RJ-45 Shielded x 1
Power Consumption	X	5V 250mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
DIMENSIONS W x H x D mm	43 x67 x 27	61x67x27
Weight	105g	130g

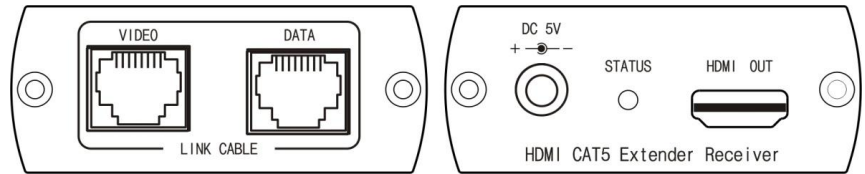
**3002 Dow Ave Suite 228
Tustin, CA 92780 USA**

Sales : 800-227-2330
Tech Support: 888-808-0909
Email : gsi@goldenstateinst.com

Transmitter



Receiver



Transmission Range:

The transmission range will depend on the cable quality and HDMI equipment.

CAT5E UTP cable for up to 30M@1080p.

CAT6 UTP cable for up to 35M@1080p.

CAT5E UTP cable up to 70M@1080i/720p.

There is no power needed <30 meters, the transmitter will be powered by the HDMI equipment. If range is over 30 meters, it is recommended to use external 12VDC power supply to avoid low power from HDMI source.

RJ45 pin Definition:

Video Link (TIA/EIA-568-B)

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

Data Link (TIA/EIA-568-B)

1. Orange-white	Reserve
2. Orange	GND
3. Green-white	DDC SCL
4. Blue	Reserve
5. Blue-white	Reserve
6. Green	DDC SDA
7. Brown-white	HDMI +5V
8. Brown	Hot Plug Detect

Status LED:

[OFF]	No power or power source is too low
[Blue]	Power source from external power adapter
[Red]	Power source from HDMI Source
[Flicker]	No video signal

Caution:

Please keep cables away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

Troubleshooting:

No Picture:

Check LED

[OFF]	Check Power Adapter.
[Blue]	Check Video Link Cable Length & Quality. Check Video & Data Cable Connectors. Check HDMI Cable Connectors.
[Red]	Check Video Link Cable Length & Quality. Check Video & Data Cable Connectors. Check HDMI Cable Connectors. Add 12VDC external power Adaptor at the receiver.
[Flicker]	Check Link Cable Connector, Check HDMI Cable Connector.

Picture with noise: Noise (signal too weak or low power)
Check Video Link Cable Connectors, Length, Quality.
Add external power adaptor at remote unit.

Picture disappears: (signal is too weak or has interference)
Check Video Link Cable Connectors, Length, Quality.
Keep Cables away from EMI interference source.