

CHDMI SPEC SHEET

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CHDMI CAT5 HDMI Balun kit



CHDMI-T

CHDMI-R

Features:

- Extends HDMI signal over two CAT5/5e/6 cables.
- Transmission range up to 200ft at 1080i, 90ft at 1080P resolution.
- Kit includes transmitter (CHDMI-T) and Receiver (CHDMI-R)
- No power need for distance under 90ft
- External power supply needed for receiver if transmission range exceeds 90ft
- Hi quality digital video and audio over CAT5 without any signal loss
- HDMI compliant
- HDCP compliant

Transmission Range:

The transmission range varies based on the quality of the cable and HDMI equipment.

Use CAT5E UTP cable up to 90ft@1080p

Use CAT6 UTP cable up to 100ft@1080p

Use CAT5E UTP cable up to 200ft@1080i/720P

CAT6 cable recommended if transmission range is over 100ft.

Power Source depends on working range:

There is no external power needed for distance under 90ft. If range is over 90ft, an external 5V power adapter is recommended to avoid low power from HDMI source.

RJ45 pin Define:

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

CHDMI-R 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:

The cabling should be installed away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

Trouble shooting:

No Picture:

Check LED

[OFF]	Check Power Adapter.
[Blue]	Check Video Link Cable Length & Quality. Check Video & Data Cable Connect. Check HDMI Cable Connect.
[Red]	Check Video Link Cable Length & Quality. Check Video & Data Cable Connect. Check HDMI Cable Connect. Add external power Adaptor at remote unit.
[Flicker]	Check Link Cable Connect, Check HDMI Cable Connect.

Picture with noise: Noise (signal too weak or low power)

check Video Link Cable Connect, Length, Quality.

Add external power adaptor at remote unit.

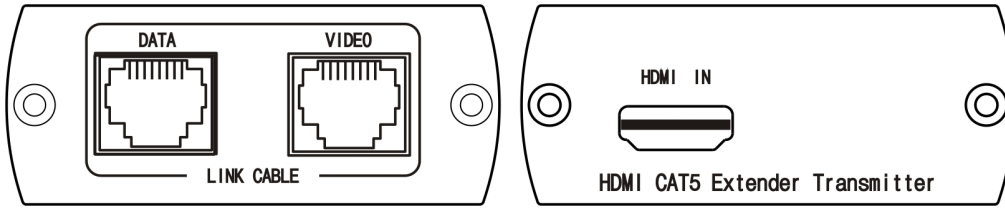
Picture disappear: (signal too week or with interference)

Check Video Link Cable Connect, Length, Quality.

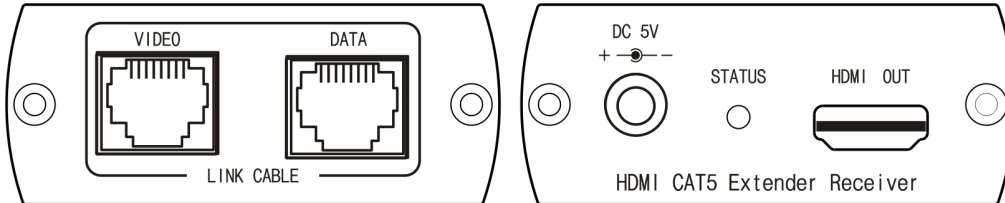
Cabling away from EMI interference source.

Panel view & Function:

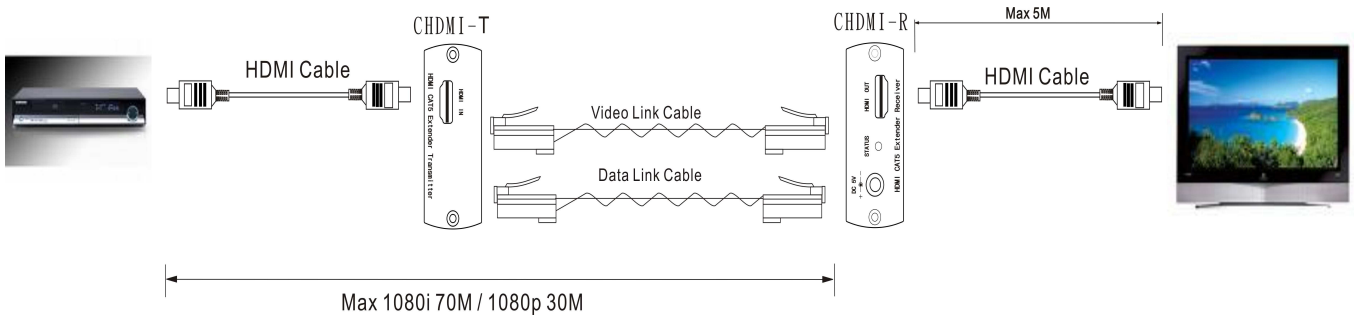
CHDMI-T



CHDMI-R



Installation view:



Specification:

ITEM NO.	CHDMI-T	CHDMI-R
Resolution	480i/480p/720p/1080i/1080p	
Link Cable Distance	CAT5E 200ft@1080i , CAT5E 90ft @1080p	
HDMI Cable Distance	28 AWG 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