

HDM130 HDMI Extender over Co-ax

The HDM130 transmitter and receiver can extend an HDMI signal up to 100 metres on RG59 Co-ax cable. The unit supports 1080P and has a reverse IR control facility to allow control of a DVR or other device from one area to another.

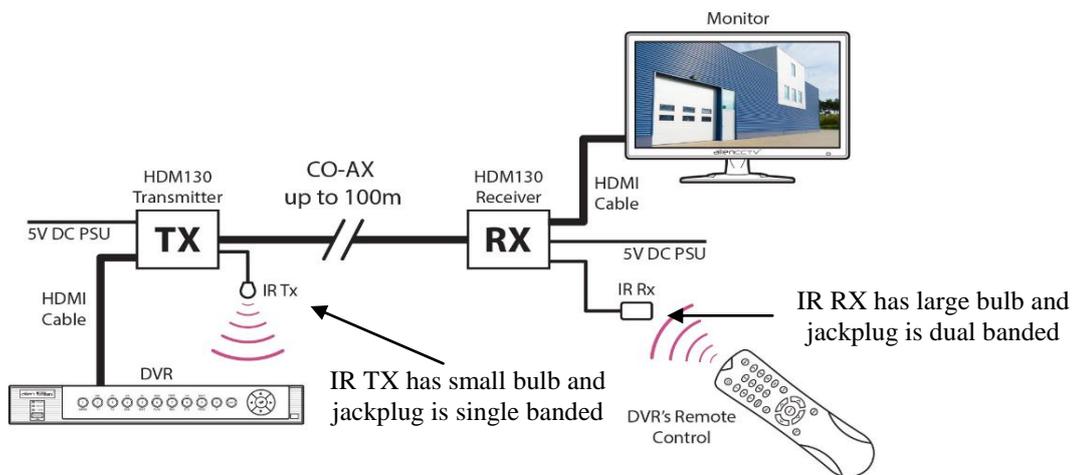
This is particularly useful when replacing an older analogue DVR that was connected to an analogue monitor using co-ax, with an HDMI DVR and HDMI monitor using the existing RG59 co-ax cable originally installed.



Installation Instructions

Parts Supplied:

- 1. HDMI Transmitter 2. HDMI Receiver 3. Power Supply x 2 4. IR Lead TX 5. IR Lead RX



Example for a CCTV system

Transmitter

1- Using a standard HDMI lead, connect the HDMI from the DVR's HDMI output to the HDMI IN on the TX unit. **HDMI cable maximum length up to 10 metres.**

Note that if the HDMI cable run connected to the HDM130 transmitter input is longer than 10 metres, the use of an additional HDM150 extender would allow a maximum HDMI run of 30m by using two 15m HDMI cables, one either side of the HDM150.

2- If required, plug in the IR transmitter - position it so it can 'see' the IR control of the DVR. This is the lead with the small bulb and single banded jack plug.

3- Power up each unit using one of the 12v DC PSUs supplied.

4- Next connect the RG59 co-ax cable using a standard BNC connector. Maximum run of 100m.

Receiver

5- Use a standard **HDMI lead up to 10 metres** to connect the RX unit to the desired monitor.

Note that if the HDMI cable run connected to the HDM130 receiver output is longer than 10 metres, the use of an additional HDMI150 extender would allow a maximum HDMI run of 30m by using two 15m HDMI cables, one either side of the HDM150.

6- If required, plug in the IR Receiver lead so that it can be controlled using your DVR's remote control. This is the lead with the large bulb and dual banded jack plug. Ensure that there is only a short distance between the IR Receiver bulb and the IR remote control.

Troubleshooting

No picture on monitor or receiver unit

1- Check all LEDs are lit.

The 2 LEDs on each unit indicates power and status. The power (red) LED indicates power available on both units and the status of the (green) Led on the HDM130 TX unit indicates that it has an HDMI input and the status of the (green) LED on the HDM130 RX unit, indicates that it has an active link from the TX unit.

2- Check 12vDC underload on TX and RX units

3- If no pictures received at the monitor or receiver end, eliminate the HDM130 by testing the HDMI signal from the source direct to the recipient equipment.

4- If the source device is not set to 1080P you will not see any picture. If using an Alien DVR, enter the Menu > Setup > General and set resolution to 1920*1080.

5- If you are using non-standard size RG59 cable, e.g mini RG59 then this is not guaranteed to work and/or distances may be reduced dramatically.

6- If the IR transmission is not working check that the TX or RX bulb is facing and close to the relevant detector or IR controller and that the correct TX and RX is being used. Refer to diagram.

HDM130 Technical Specification

TX Input Type & distance	HDMI cable 1080P 10m (using HDM150 30m)
TX Output Type & distance	BNC - RG59 Max 100m standard recommended
RX Input Type	BNC – RG59 as above
RX Output Type & distance	HDMI cable 1080P 10m (using HDM150 30m)
Power Supply & fitting	2 x PSUs - 12vDC 1A plug tops - 2.1 Jack Plugs
Current	TX - 680mA / RX - 420mA
IR TX IR OUT	Single banded 2.1 Jack Plug small bulb
IR RX IR IN	Dual banded 2.1 Jack Plug large bulb
Dimensions	80mm (exc. BNC socket 15mm) x 45mm x 22mm
Case Material for TX & RX	Metal - black anodised finish

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