

# HD-424

## 4K2K 4x4 HDMI with HDBaseT Matrix

The HD-424 features four HDMI out and each HDMI output is mirrored to provide a CAT-Cable output which runs simultaneously.



It supports the transmission of video (resolutions up to 1080p Full HD and 4Kx2K@30Hz) and supports high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio. Connect a HD-424R to each of the CAT-Cable outputs to extend the HDMI signal up to 328ft/100m (100m Version) or 230ft/70m (70m version) for multi-room connectivity. It works with Blue-Ray players, Set-Top boxes, Home Theater PCs, and game consoles that connect to an HDMI display. Any source is accessible at all times by any display, by selecting it via the supplied IR Remote Control, RS-232, TCP/IP or by using the selection buttons on the front panel. This device supports High Definition Audio, and 3D signal compatibility.

### Features

- ❖ Compliant with HDMI2.0, HDCP2.2
- ❖ Support video format up to 4k2k@30Hz with 24bit RGB/YcbCR 4:4:4/YCBCR 4:2:2, up to 4k2k@60Hz with 12bit YCBCR 4:2:0
- ❖ Support transmission distance up to 328ft/100m (100m Version) or 230ft/70m(70m version) through CAT5e/6/7 cable
- ❖ Support 3D frame sequential video format up to 1080p@60.
- ❖ Support high resolution VESA mode video format up to QSXGA@60Hz
- ❖ Support reception of any audio data conforming to the HDMI specification such PCM at up to 192kHz, compressed audio (IEC 61937),DSD,DST,DTS and HBR.

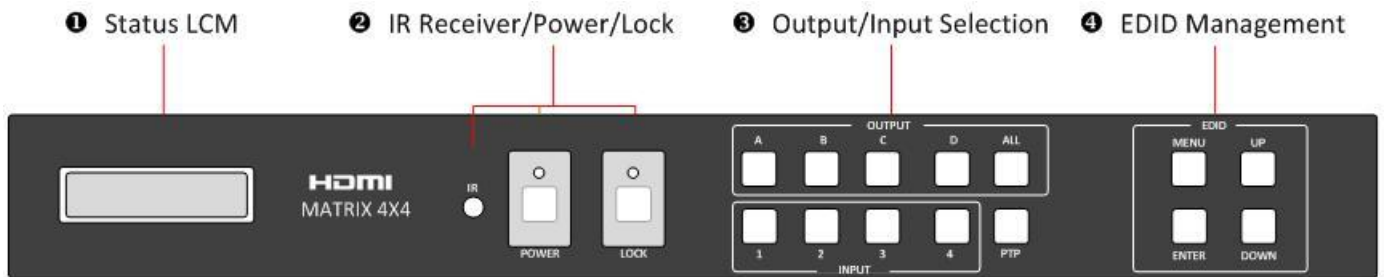
## Specification

Model		HD-424 Matrix
Connectors	HDMI In	4(Female)
	HDMI Out	4 (Female)
	HDBaseT Out	4
	Coax	4
	Audio Out	4(3.5mm)
	IR TX	5(3.5mm Connector)
	IR RX	5(3.5mm Connector)
	IR Ext.	1(3.5mm Connector)
	RS-232	4(Phoenix)/1(DB9)
Ethernet	2	
Video Bandwidth		297MHz(10.2Gbps)
Audio Out		PCM2, 5.1, 7.1CH, Dolby 5.1, DTS5.1
Input Resolution		480i,576i,480p,576p,720p,1080i, 1080p 24/30/50/60.4Kx2K@30Hz
Output Resolution		480i,576i,480p,576p,720p,1080i, 1080p 24/30/50/60.4Kx2K@30Hz
ESD Protection		Human Body model: $\pm 8$ kV (air-gap discharge) $\pm 4$ kV (contact discharge)
Power Supply		12 V/5A DC
Power Consumption		50W(Max)/0.5W(Standby)
Environment	Operating Temp.	0~40°C
	Storage Temp.	-20~60°C
	Humidity	20~90% Non-condensing
Physical Properties	Housing	Metal (Black)
	Weight	1820 g
	Dimensions	440 (L) x 200 (W) x 45 (H) mm

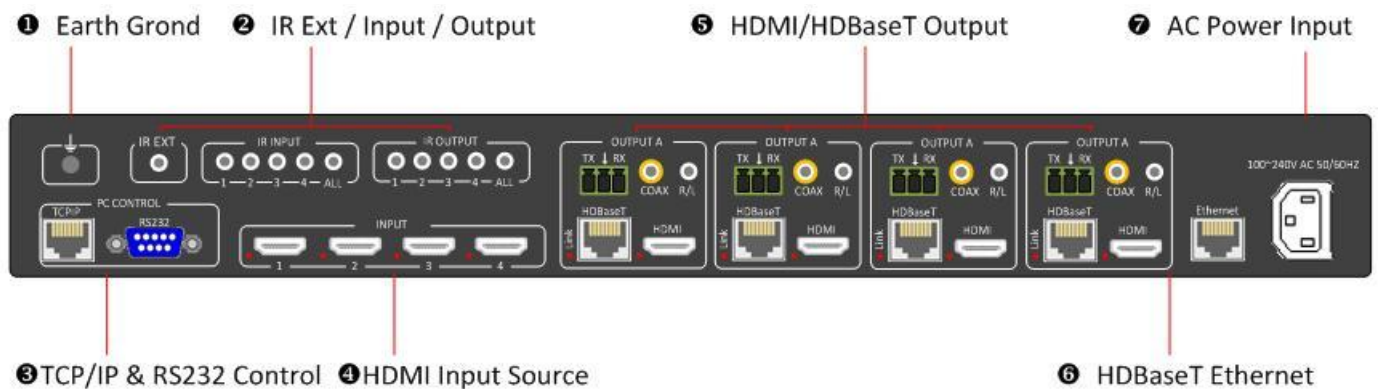
Model		HD-424R HDBaseT Receiver
Connectors	HDMI Out	1(Female)
	HDBaseT In	1
	Ethernet	1
	IR TX	1(3.5mm Connector)
	IR RX	1(3.5mm Connector)
	RS-232	1(Phoenix Jack)
Video Bandwidth		10.2Gbps
Input Resolution		480i,576i,480p,576p,720p,1080i, 1080p 24/30/50/60.4Kx2K@30Hz
Output Resolution		480i,576i,480p,576p,720p,1080i, 1080p 24/30/50/60.4Kx2K@30Hz
ESD Protection		Human Body model: $\pm 8$ kV (air-gap discharge) $\pm 4$ kV (contact discharge)
Power Supply		24 V/5A DC & POE(Power over Ethernet)
Environment	Operating Temp.	0~40°C
	Storage Temp.	0~60°C
	Humidity	20~90% Non-condensing
Physical Properties	Housing	Metal (Black)
	Weight	310 g
	Dimensions	102 (L) x 101 (W) x 25 (H) mm

## Front & Rear View

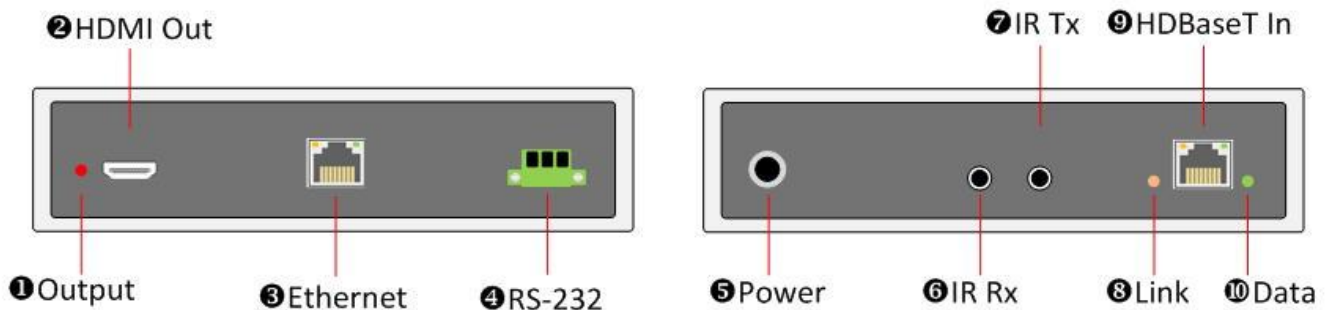
### HD-424 Front



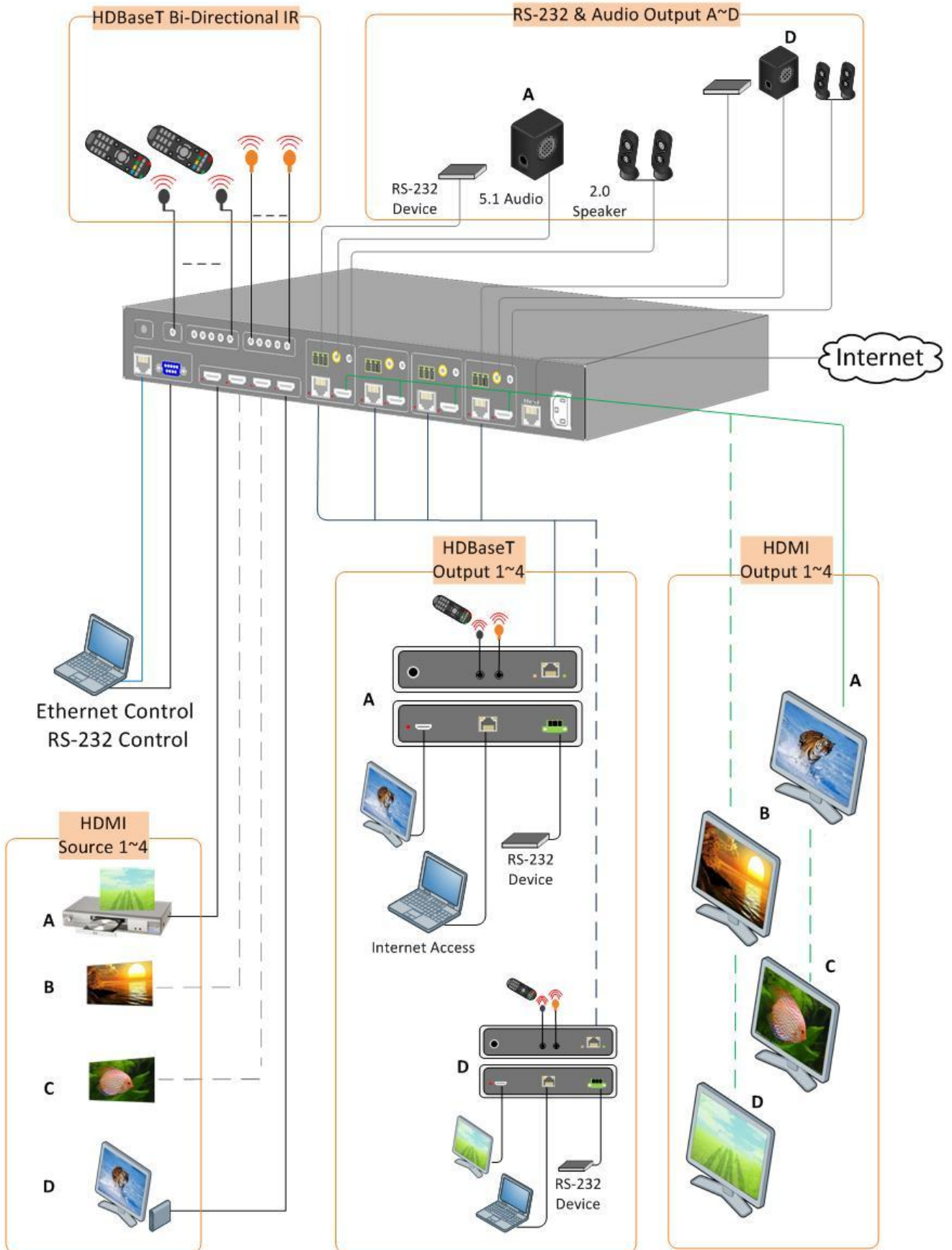
### HD-424 Rear



### HD-424R HDBaseT Receiver



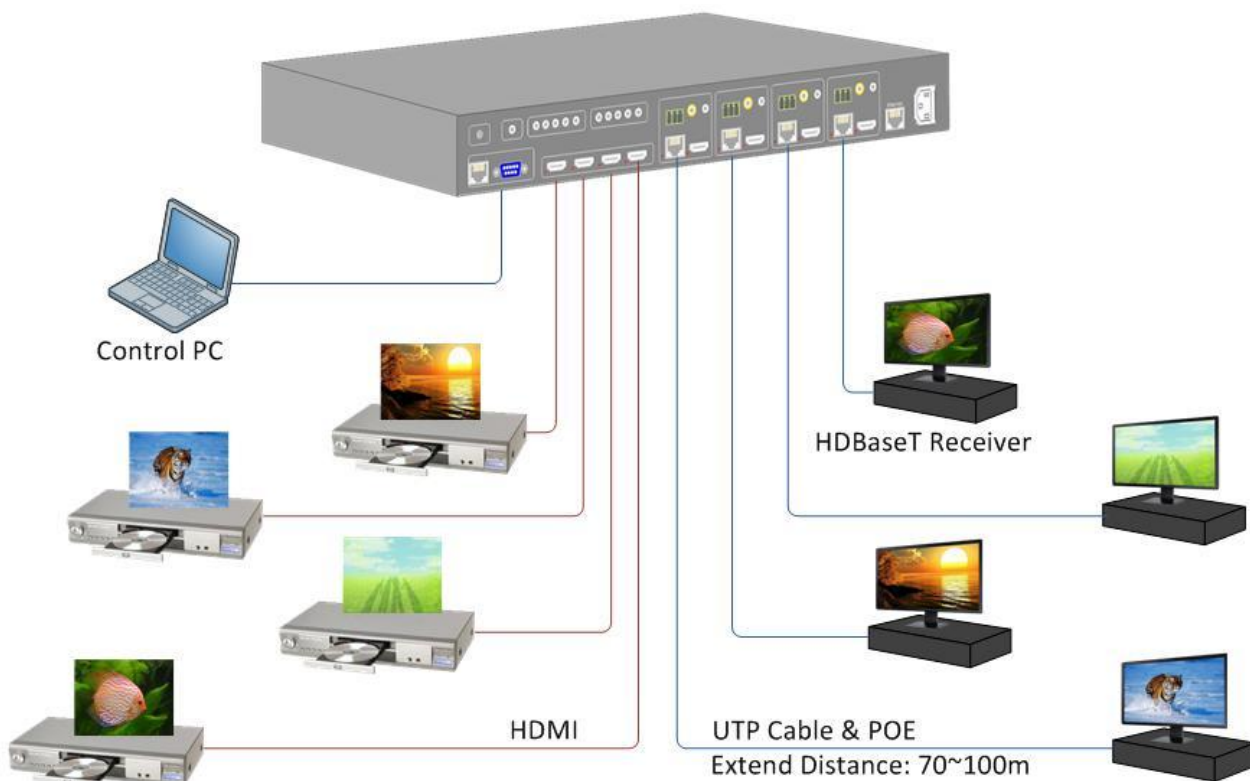
# Devices Connection Diagram



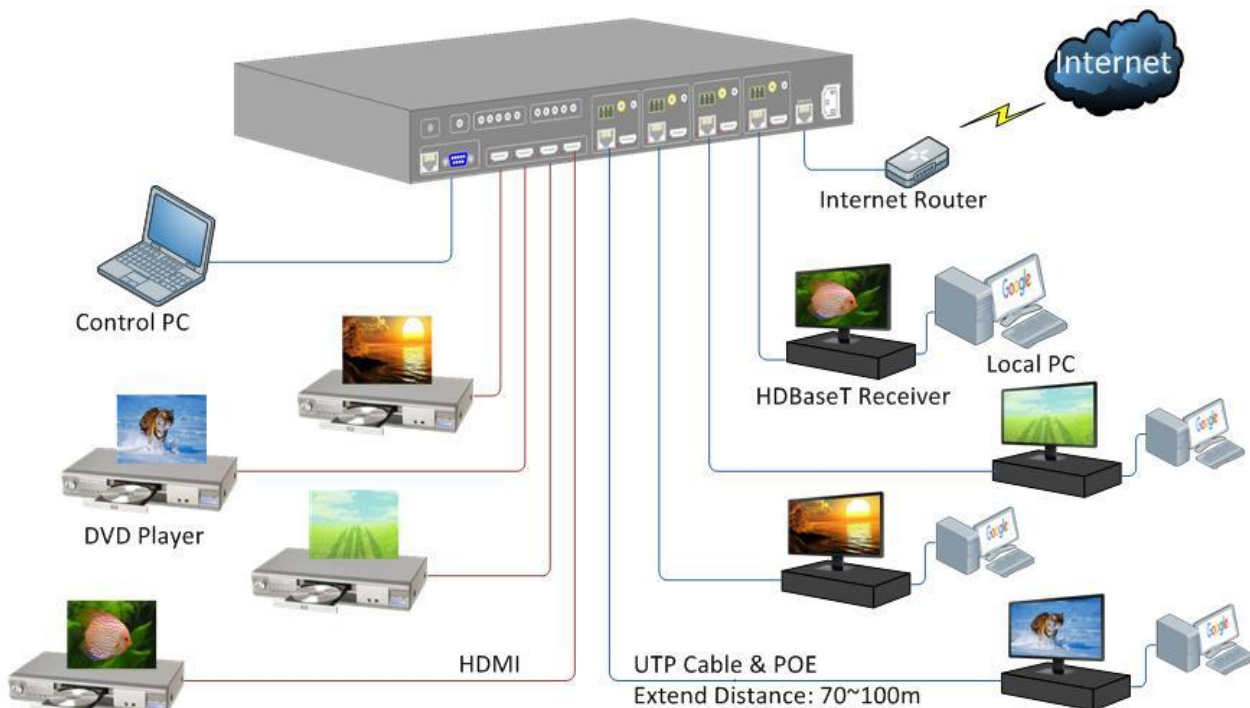


# Application Diagram

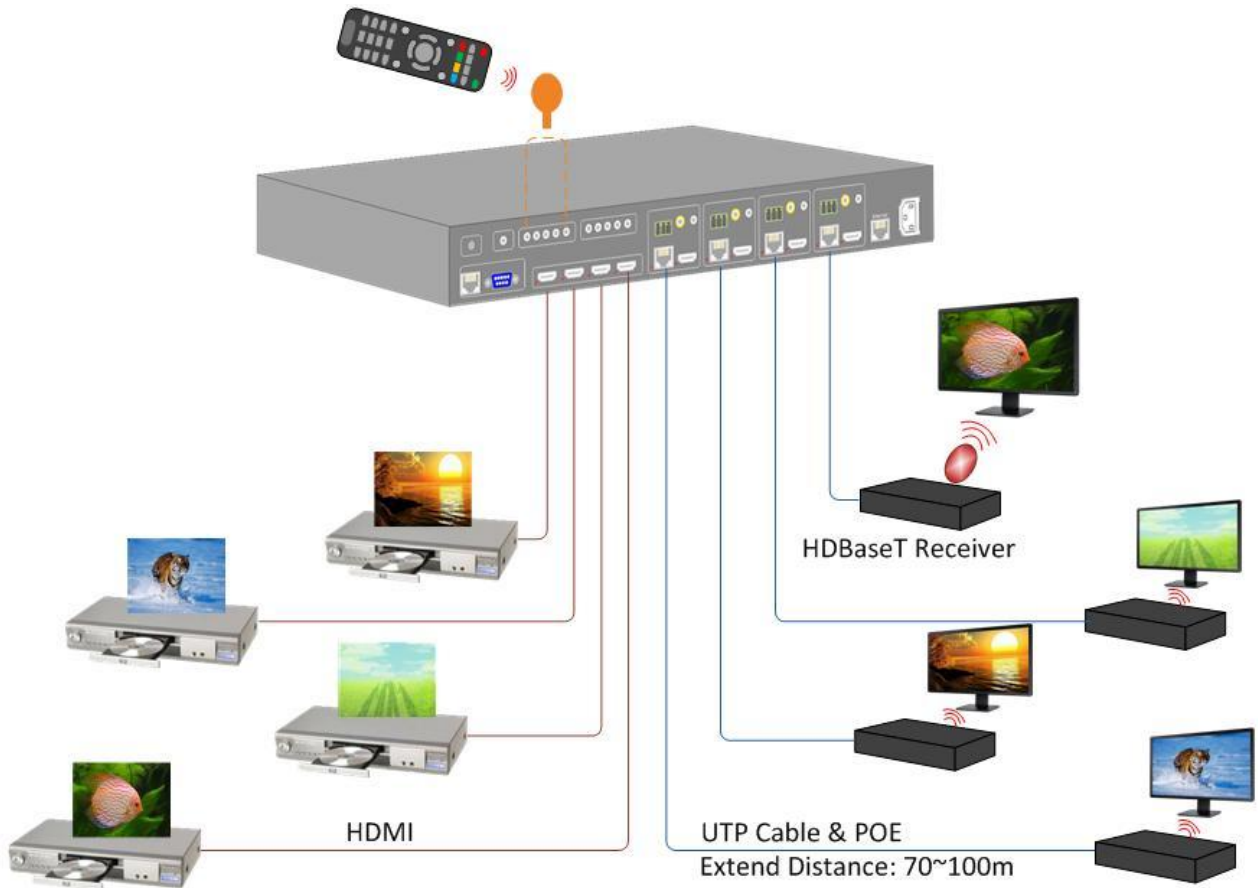
## Distance extend with HDBaseT



## Internet Application



### Control TV of remote site



### Control DVD of front site

