

# Solutions Guide

## Extender HDMI



# Products Family

**Extender HDMI  
over UTP**

TT-372-EDID  
TT-383-PRO  
TT-383-PRO-RX  
TT-683  
TT-683-RX  
TT-672  
TT-372-W  
TT-383-W  
TT-383-VGA  
TT-371-KVM



**Extender HDMI  
over Wireless**

TT-388-A  
TT-388-A-RX  
TT-388-Dongle  
TT-388-M  
TT-388-M-RX  
TT-688  
TT388US-500  
TT388M-DUAL  
TT388-DM  
TT388-DM-RX  
TT388-MINI



**Extender HDMI  
over Power Line**

TT-380-PRO  
TT-380-PRO-RX



**Divider HDMI**

TT-312-V2.0  
TT-314-PRO  
TT-318-PRO  
TT-314-4K-  
HDbiT-TX  
TT-714-PRO  
TT-718-PRO  
TT-312HDR-2.0  
TT-314HDR-2.0  
TT-318EDID-V2.0



**Matrix HDMI**

TT-383-Matrix  
TT-683-Matrix  
TT-383-Matrix-RX  
TT-683-Matrix-RX  
TT-414  
TT-818



**Switch  
Multiviewer  
Video Wall  
HDMI Switch**

TT-401MS  
TT-314VW  
TT-501-V2.0



**Mini Converter  
Extender  
Repetidor**

TT-350-MINI  
TT-352N  
TT-352-4K  
TT-366  
TT-168-4K  
TT-7505  
TT-3061



## Extender HDMI over UTP

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Model No.	Product	Features
TT-372-EDID	HDMI Extender	Full 1080P over Cat6 to 60M,with IR & Loop-out
TT-383-PRO	HDMI Extender	Full 1080P over Cat5/6 to 120M/150M,with IR & Loop-out
TT-383-PRO-RX	HDMI Reciever	Full 1080P over Cat5/6 to 120M/150M,with IR
TT-683	4K Extender	4K@30Hz over Cat5/6 to 120M,with IR
TT-683-RX	4K Receiver	4K@30Hz over Cat5/6 to 120M,with IR
TT-672	4K Extender	4K@30Hz over Cat6 to 60M,4K@60Hz to 30M,with IR
TT-371-KVM	KVM Extender	Full 1080P over Cat6 to 60M,with IR & Loop-out and KVM
TT-383-VGA	VGA Extender	Full 1080P over Cat5/6 to 120M/150M

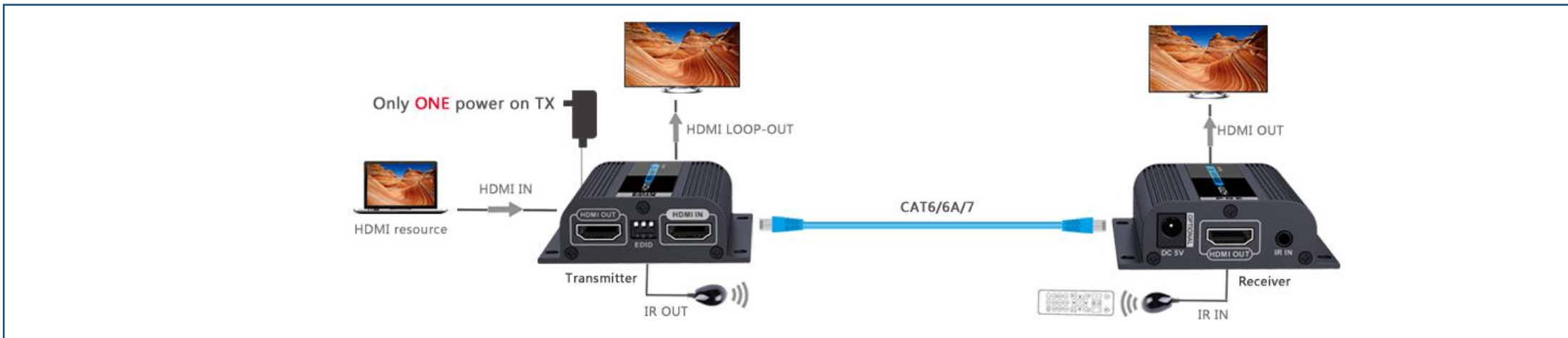
# TT372EDID

HDMI over only CAT6 @ **50 m**, with IR y HDMI Loop-out



- HDMI over CAT6 @ **50 m**
- Loop-out HDMI HDMI in TX for local display
- Support signal AV without compression and losses
- Automatic adjust for distance of 1-50M using wire CAT6 plug @ play
- **Only a power supply on the transmitter side**
- Remote Control
- Zero Latency

## Connection

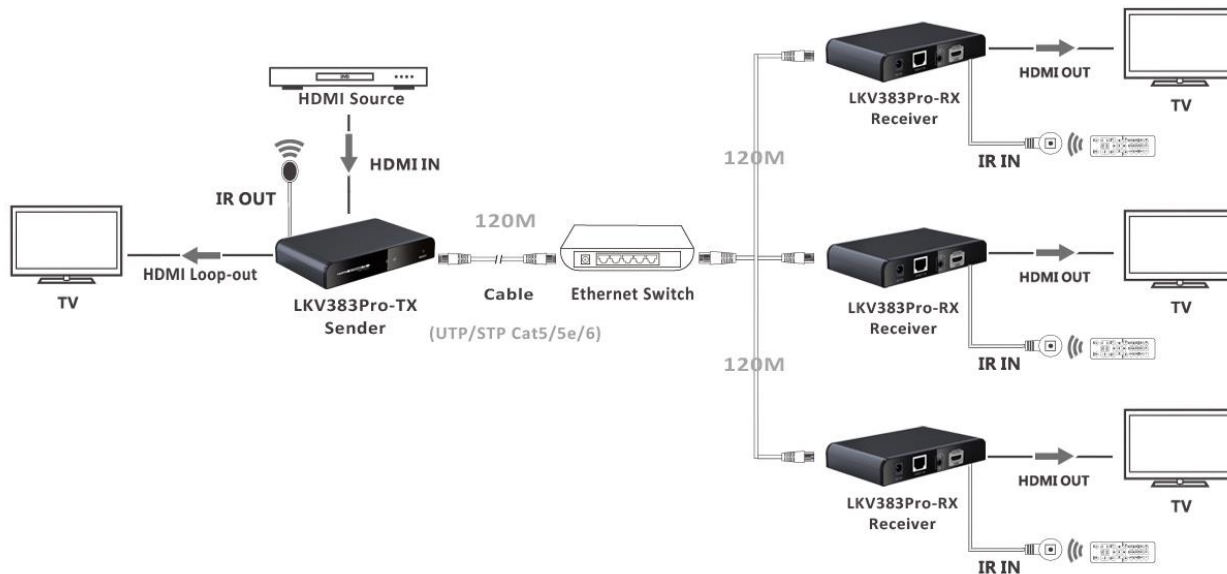


## Features

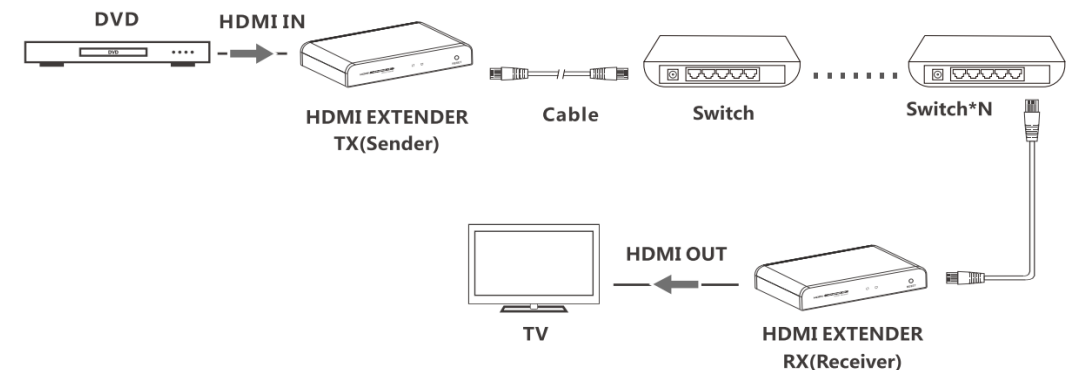
- HDMI over CAT5e/6 to **120 / 150 m**
- **HDMI Loop-Out**
- IR Pass-through
- **Cascade** through router
- No effect to network
- **One to Many** connection

# TT383PRO

Extenders over IP CAT Cable with **Loop-Out**



## Cascade by Switch connection

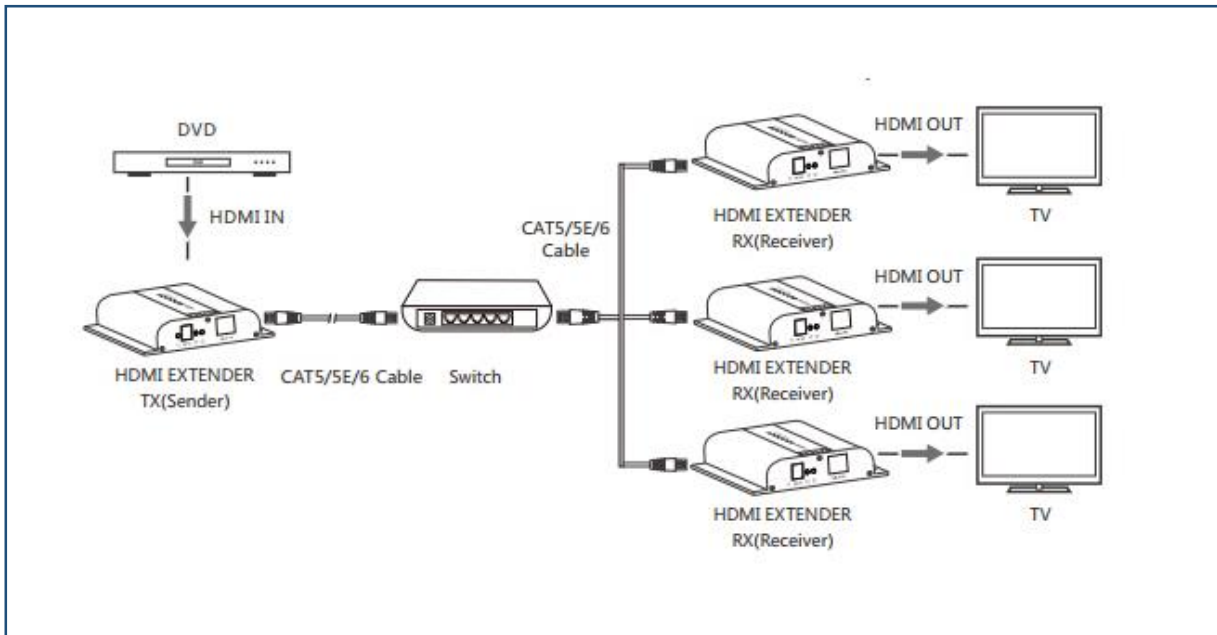


# TT683

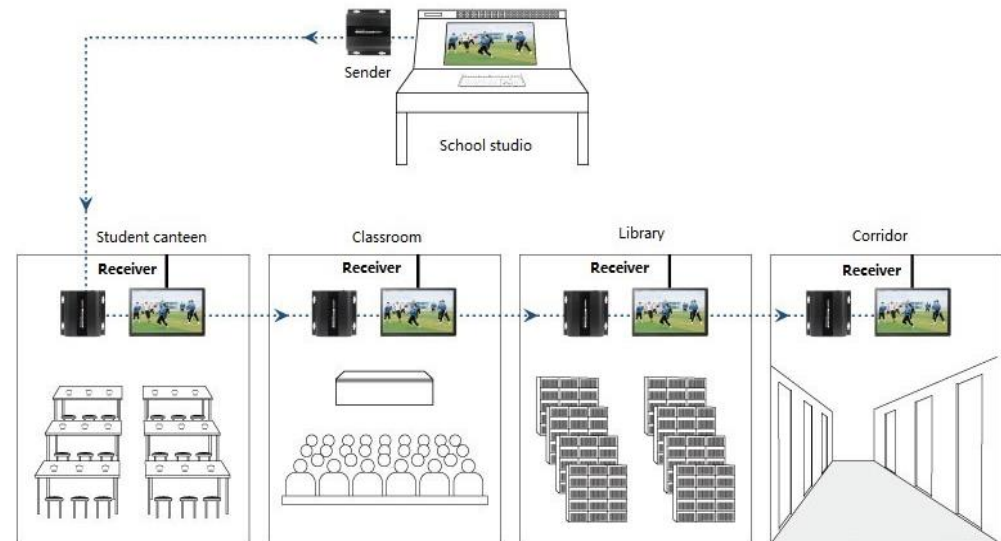
## Extenders over IP CAT Cable **4K**



- **4K** over CAT5e / 6 to **120 / 150 m**
- IR Pass-through
- **Cascade** through router
- No effect to network
- **One to Many** connection



### Application





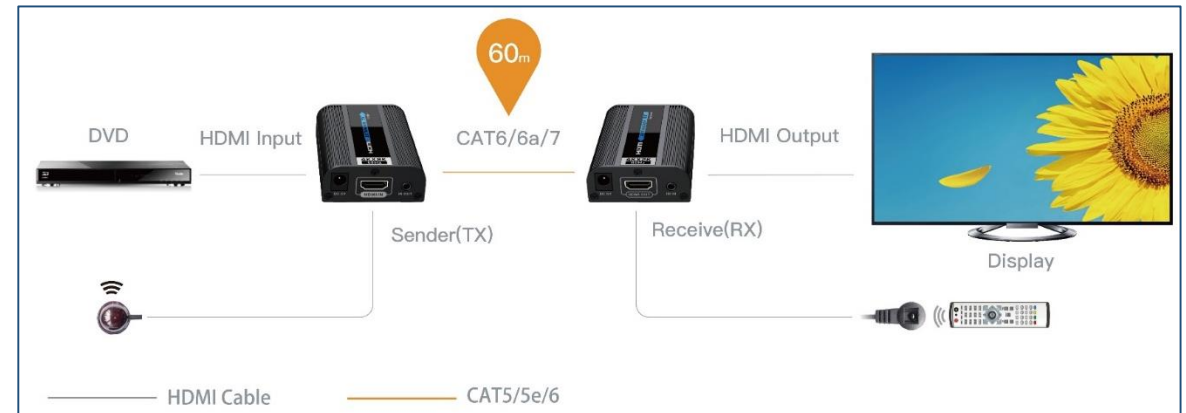
# TT672

## HDMI2.0 4K Extender CAT Cable



- HDMI2.0
- HDCP2.2
- 4K @ 30Hz over Cat6 to 60 m
- 4K @ 60Hz over Cat6 to 30 m
- IR Pass-through

### Connection



# TT371KVM

## HDMI Extender with USB 2.0



Real time



60M/CAT5



KVM



1080P HD



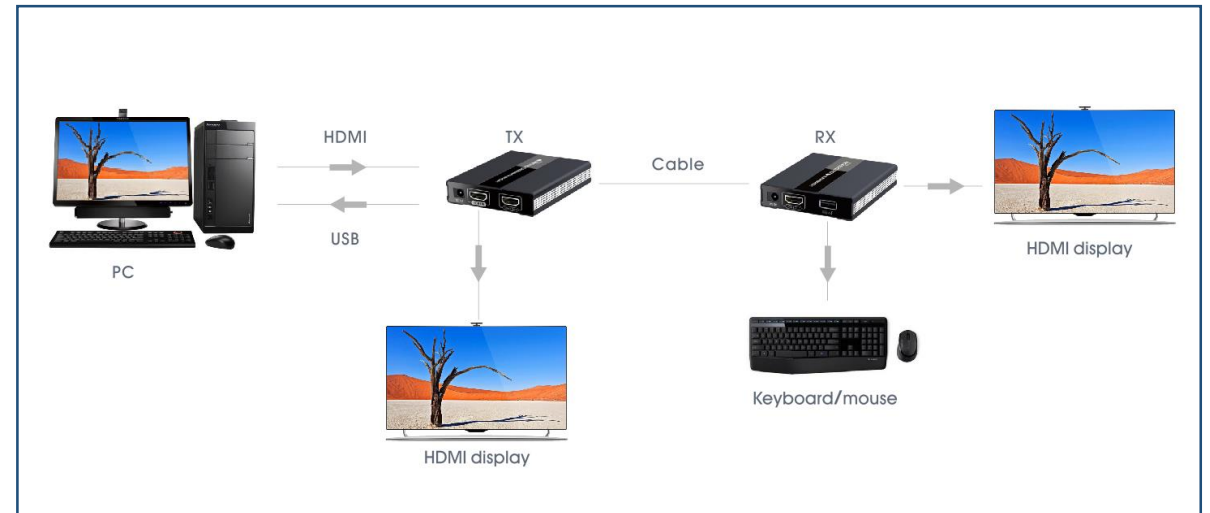
Compliant CAT5/5e/6



Point to point configuration

- Full 1080P over CAT6 to **60 m**
- With Loop-out
- **USB 2.0 ports for KVM**
- **Real time without latency**

## Connection





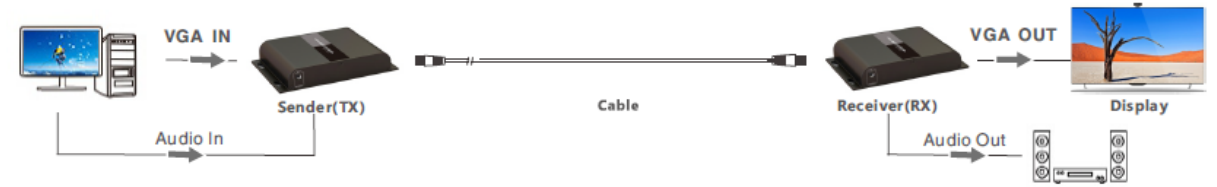
# TT383VGA

VGA Extender to **120 / 150 m**

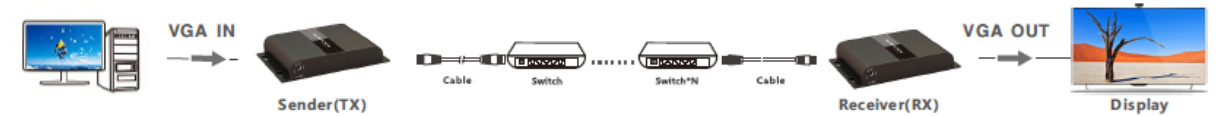


- **VGA Extender to 120 / 150 m**
- Cascade connection through switch to unlimited distance
- Supports 1 TX to **253 RX** connection
- **VGA TX can work with HDMI RX**

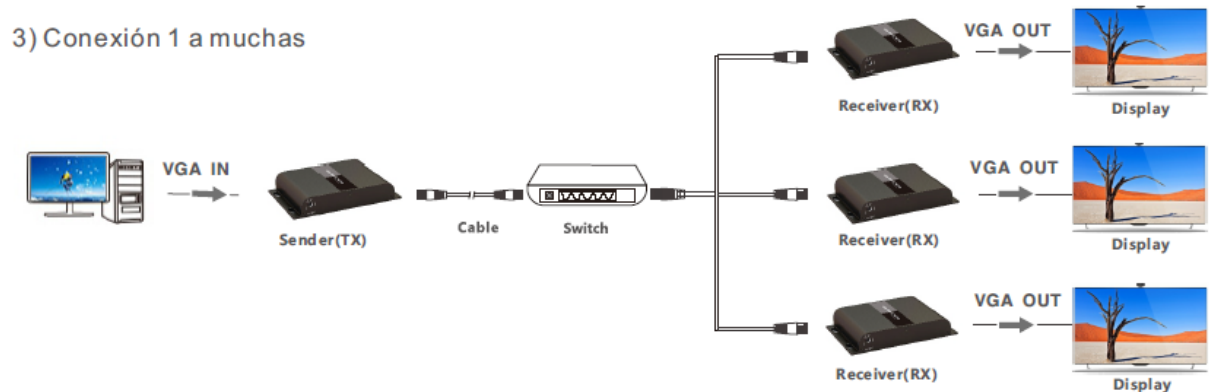
## 1) Conexión 1 a 1



## 2) Conexión en cascada



## 3) Conexión 1 a muchas



## Extender HDMI over cable wall plates

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Model No.	Product	Features
TT-372-W	HDMI Extender	Full 1080P over Cat6 to 60M,with IR
TT-383-W	HDMI Extender	Full 1080P over Cat6 to 120M,with IR

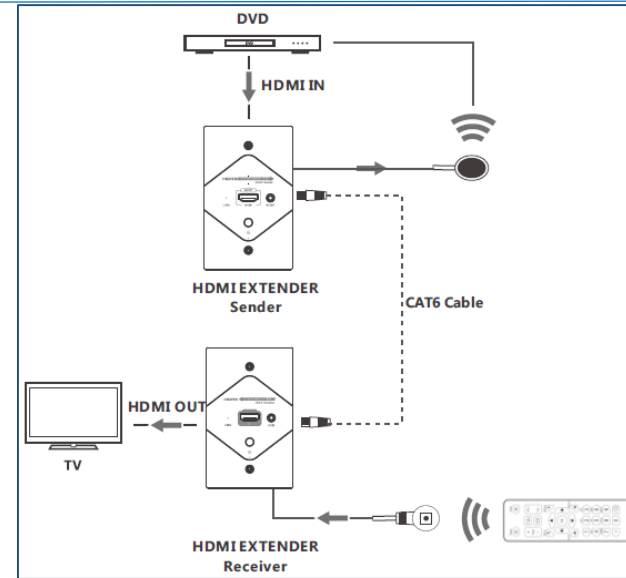
# TT383W

## Extenders over IP CAT Cable **Wall Plate**

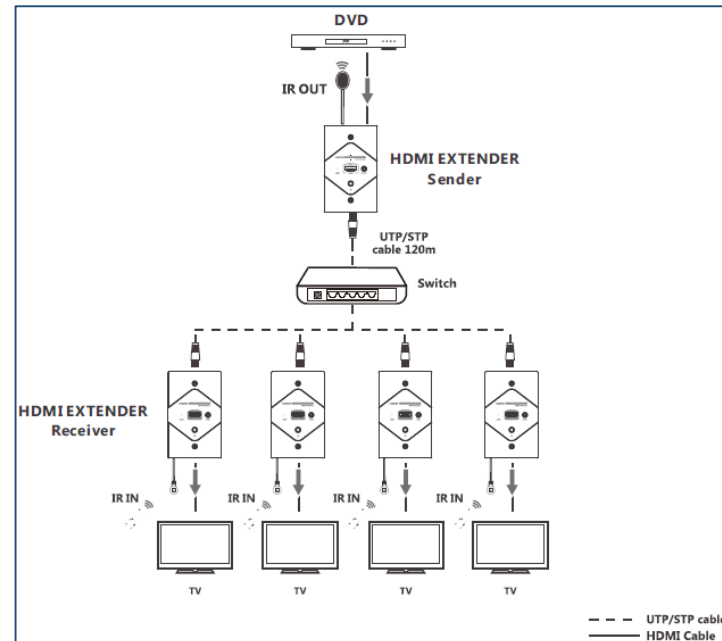


- HDMI over CAT5e/6 to **120 /150 m**
- **Wall Plate**
- **One to Many** connection
- IR
- Support AV 100-240V power supply

### ■ One to One Connection



### ■ One to Many Connection



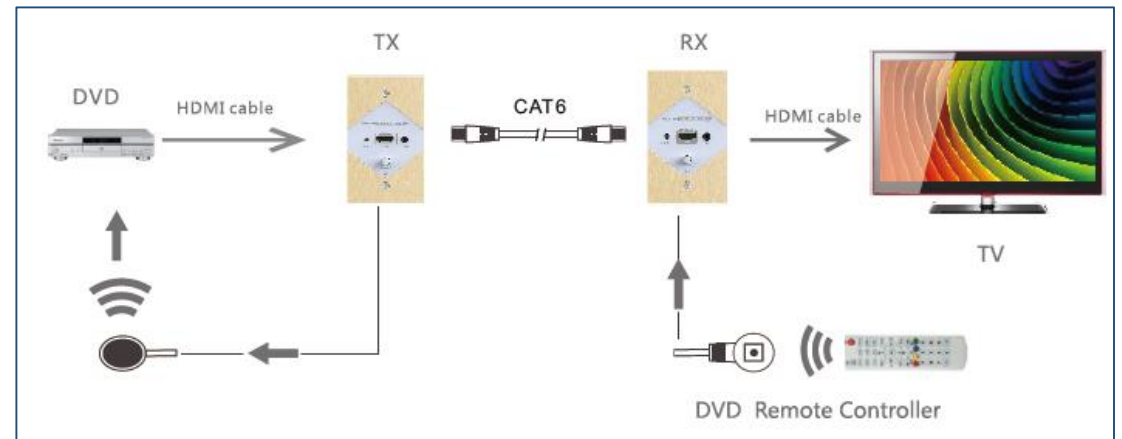
# TT372W

## Extenders over CAT Cable **Wall Plate**



### TT372W

- HDMI over CAT6 to **50 m**
- **Wall Plate**
- IR
- Support AV 100-240V power supply



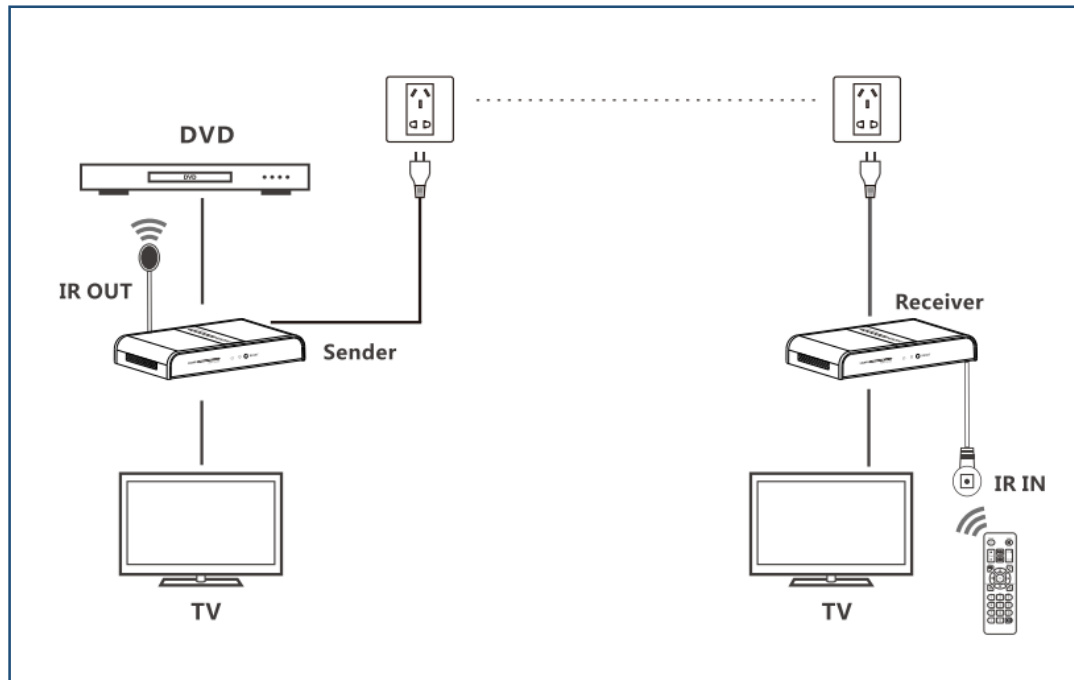
## Extender HDMI over Power Line

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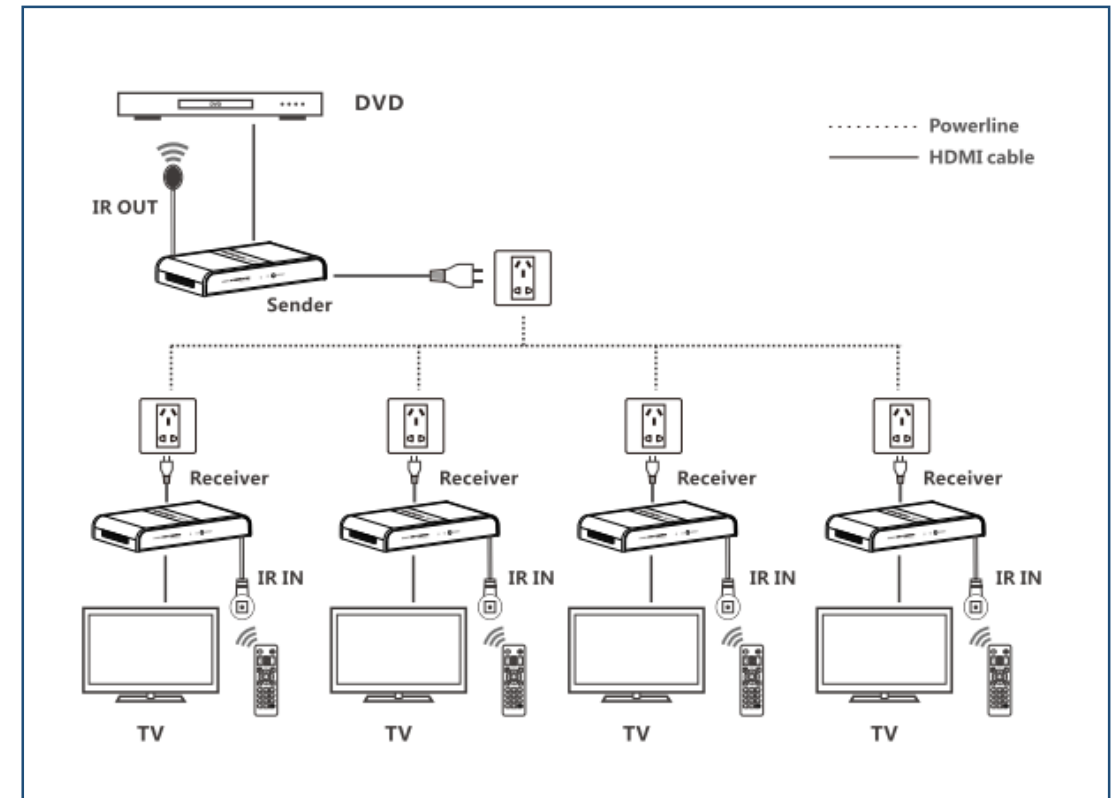
Model No.	Product	Features
TT-380-PRO	HDMI Extender	Full 1080P over Powerline to 300M,with Loop & IR
TT-380PRO-RX	HDMI Receiver	Full 1080P over Powerline Receiver

# TT380PRO

Extenders over Power Line **300 m**



- **1080P** over Power Line **300 m**
- With IR & HDMI Loop-out
- 1 TX to 4 RX Connection





## Extender HDMI over optical fiber

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Model No.	Product	Features
TT-378-A-4K	HDMI Extender	4K x 2K over Fiber to 20 Km, with IR

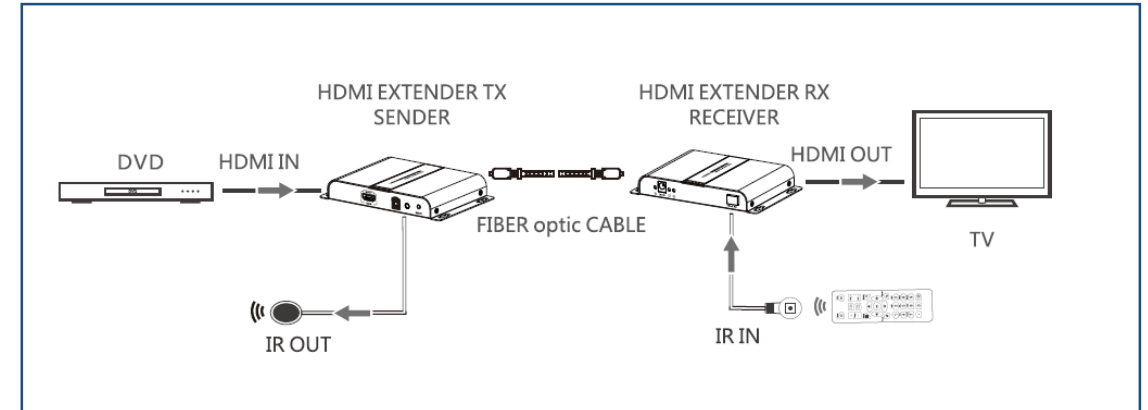
# TT378A-4K

4K over Fiber to 20 Km

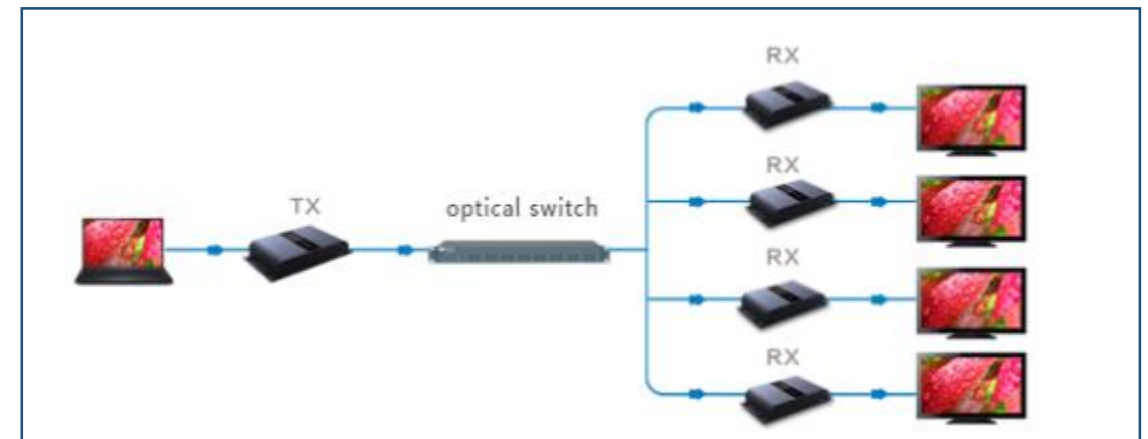


- 4K over Fiber to 20 Km ( Monomode )  
1 Km ( multimode )
- With IR
- ONE to MANY Connection

## One to One Connection



## One to Many Connection



## Extenders wireless HDMI

Model No.	Product	Features
TT-388-A	200m Wireless HDMI Extender	Wireless HDMI Extender to 200m,supports 1TX to 2RX ,with IR
TT-388A-RX	200m Wireless HDMI Receiver	Wireless HDMI Extender to 200m,supports 1TX to 2RX ,with IR
TT-688N	50m 4K Wireless HDMI Extender	4K Wireless HDMI Extender to 50m,with HDMI Loop-out on TX
TT-688	200m 4K Wireless HDMI Extender	4K Wireless HDMI Extender to 200m,supports 1TX to 2RX ,with IR
TT-388-Dongle	50m Wireless HDMI Dongle	Mini Wireless HDMI Dongle to 50m,with IR
TT-388-M	50m Wireless HDMI Extender	Wireless HDMI Extender 50m,supports 2TX to 2RX ,with IR
TT-388-IR	Wireless IR Signal Extender	Wireless IR Signal extender to 200M
TT-388-US-500M	500m Wireless HDMI Extender	Wireless HDMI Extender to 500m,supports 1TX to 16RX ,with IR
TT-388M-DUAL	100m Wireless HDMI Extender	Wireless HDMI Extender 100m,supports 2TX to 2RX ,with IR
TT-388-DM	15m Wireless HDMI Switch	Wireless HDMI Switch 15m,supports 10TX to 1RX ,with IR
TT-388-MINI	15m Mini Wireless HDMI Extender	Ultra Mini Wireless HDMI Extender,with IR

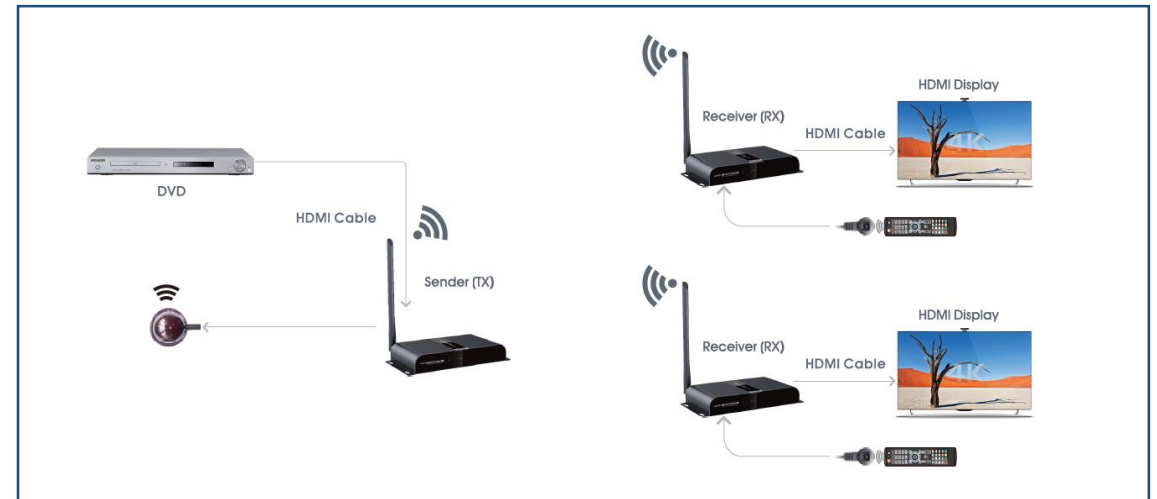
# TT388A

Wireless HDMI Extender **200 m**



## Features

- **1080P to 200 m wirelessly**
- IR Control
- 1 TX to 2 RX connection
- Interconnect with VGA/SDI TX/RX



# TT388A-RX

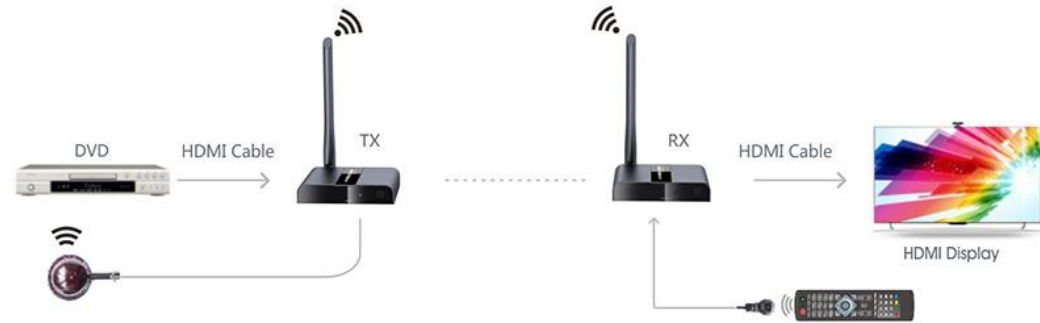
Wireless HDMI Extender **200 m**



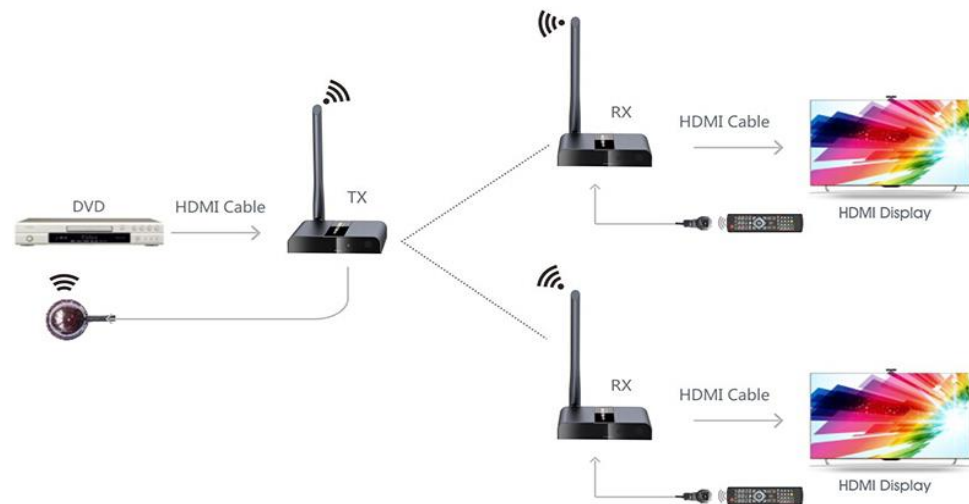
## Features

- **1080P** to **200 m** wirelessly
- IR Control
- Supports **1 TX** to **2 RX** connection

## One to One Connection



## One to Two Connection



# TT688N

4K Wireless HDMI Extender 50 m



## Features

- 4K to 50 m wirelessly
- HDMI Loop-out on TX
- IR Control
- Plug & Play





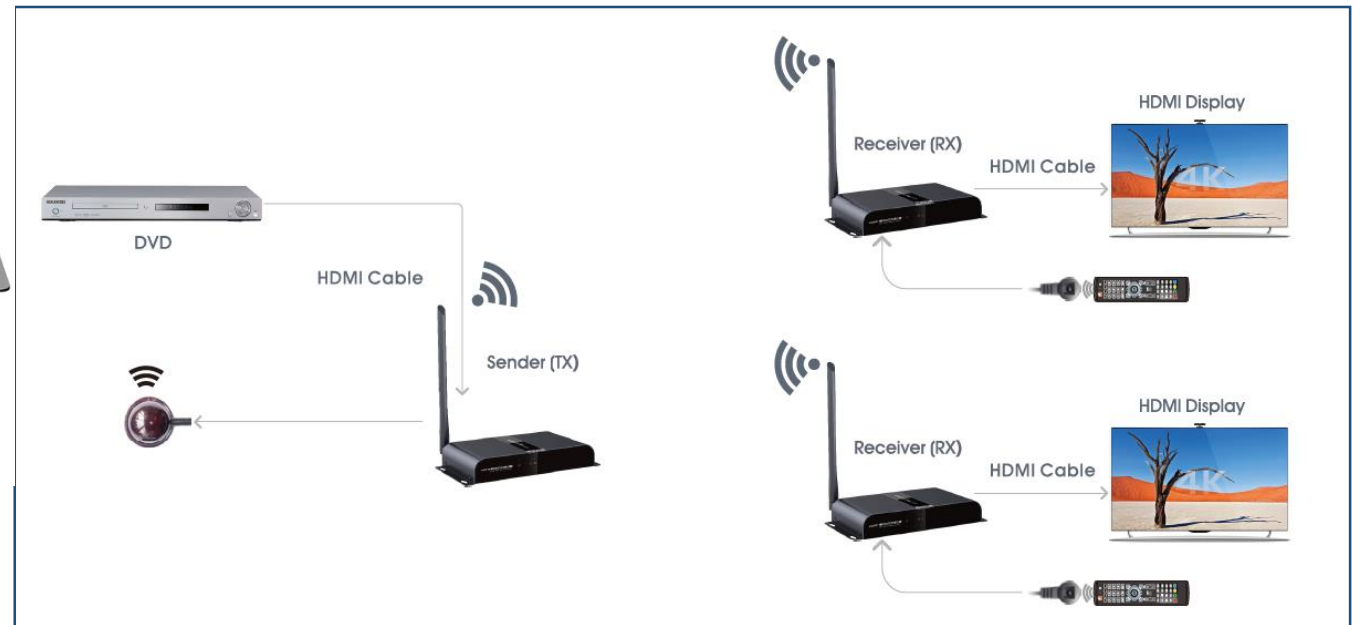
# TT688

4K Wireless HDMI Extender 200 m



## Features

- 4K to 200 m wirelessly
- IR Control
- 1 TX to 2 RX connection
- Interconnect with VGA/SDI TX/RX



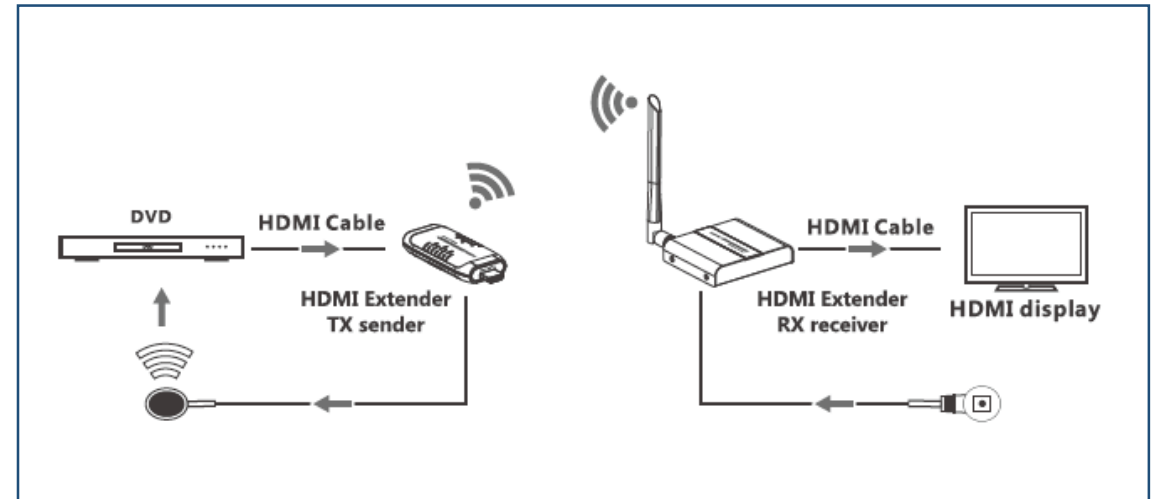
# TT388Dongle

Wireless HDMI Dongle **50 m**



## Features

- **1080P** to **50 m** wirelessly
- IR Control
- USB power for TX
- **HDMI male** on TX



# TT388M

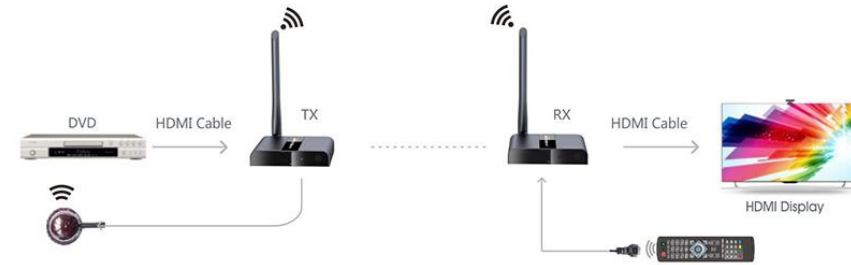
Wireless HDMI Extender **50 m**



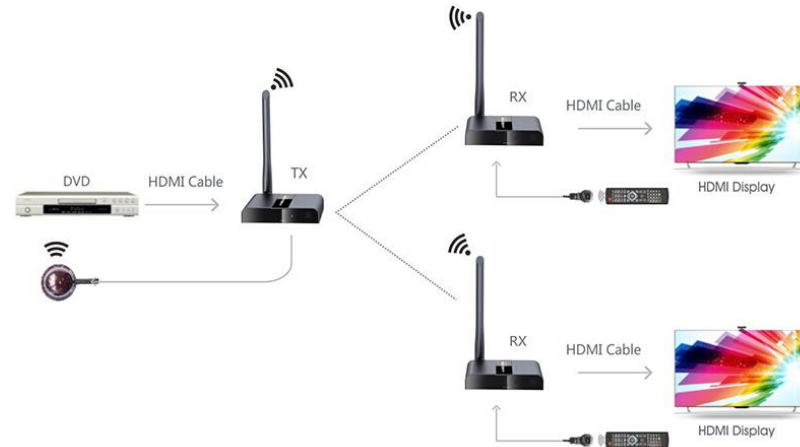
## Features

- **1080P** to **50 m** wireless
- IR Control
- Supports 1 TX to 2 RX connection
- Supports 2 TX to 2 RX connection

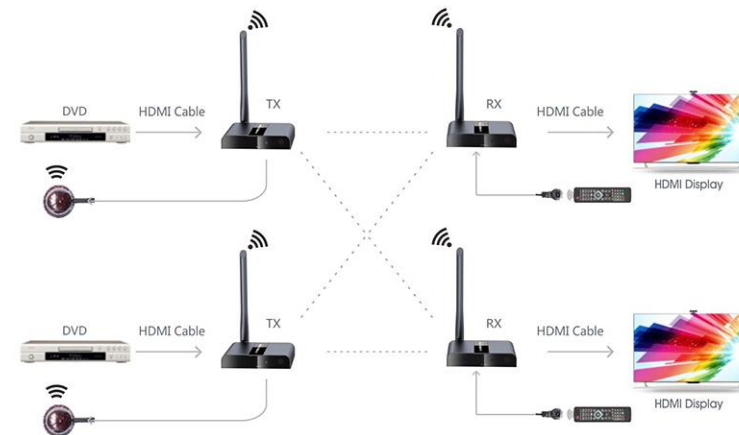
## ■ One to One Connection



## ■ One to Two Connection



## ■ One to Two Connection



# TT388IR

Wireless IR Signal Extender **200 m**



## Features

- IR Signal to **200 m** wireless
- Many sets can be used at same place
- High Sensitivity



# TT388US-500

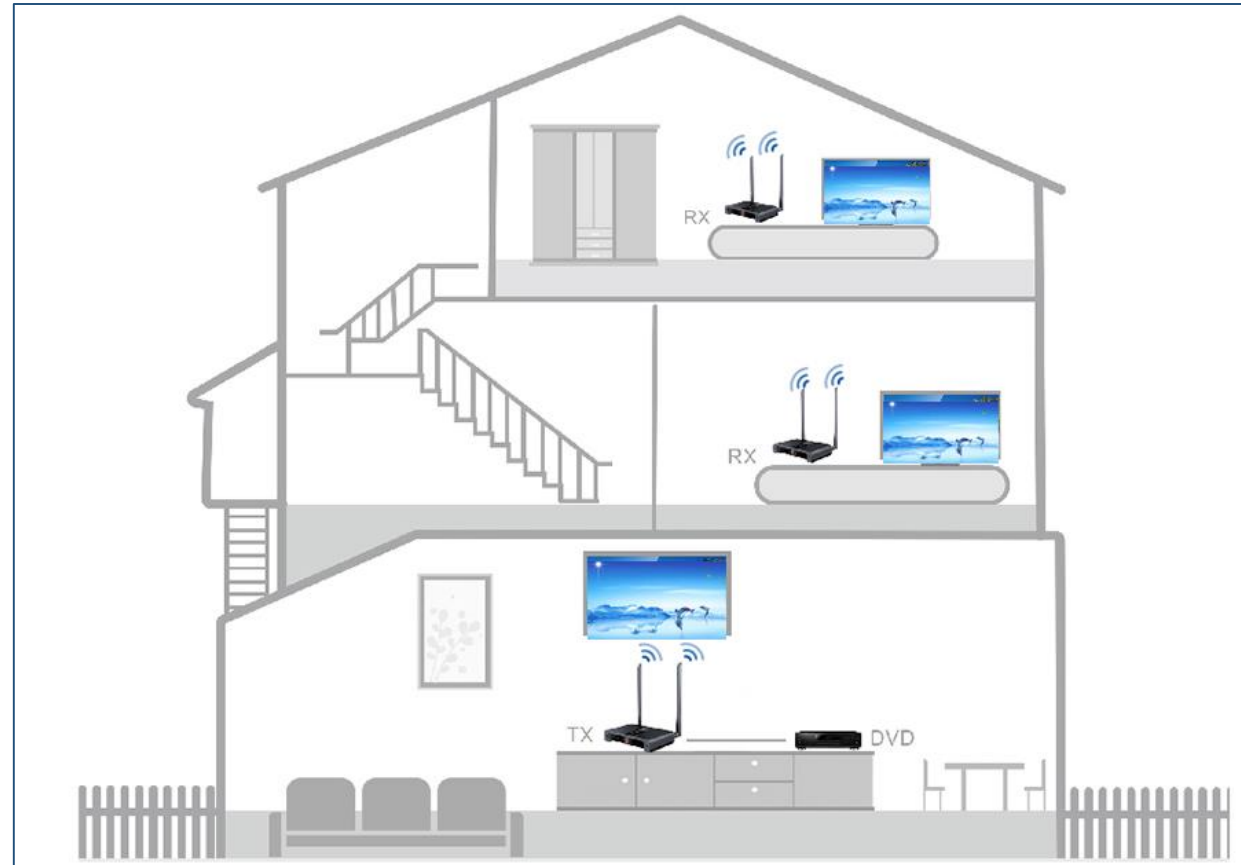
500 m Wireless HDMI Extender



## Features

- Wireless HDMI Extender to **500 m**
- Supports **1 TX** to **16 RX** connection
- Strong penetrability of walls
- With IR

## ■ Connection & Application



# TT388M-DUAL

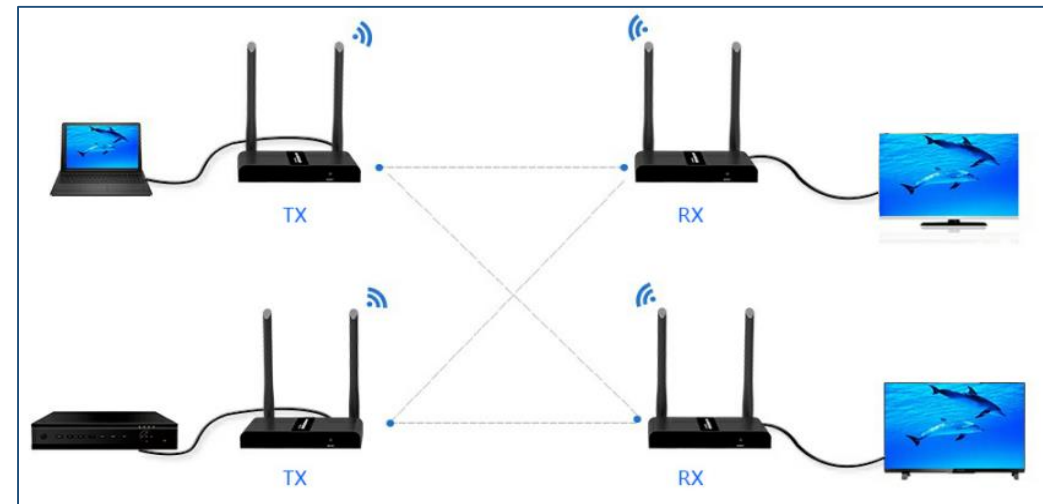
100 m Wireless HDMI Extender



## Features

- **1080P** to **100 m** wirelessly
- IR Control
- Supports 1 TX to 2 RX connection
- Supports 2 TX to 2 RX connection
- Max.10 sets can be used at same place

### ■ One to One & Two to Two Connection





# TT388DM

## 15 m Wireless HDMI Switch Extender



### Features

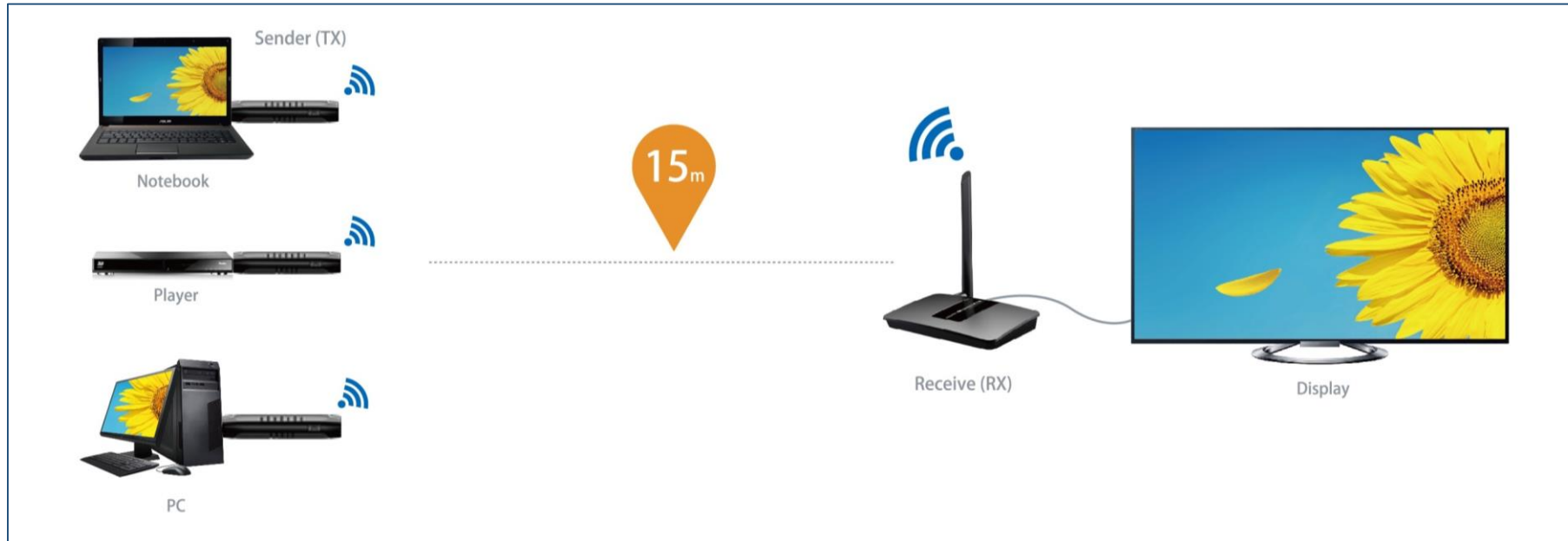
- HDMI 1.3
- HDCP1.2
- Full **1080P** to **15 m**
- Switch 10 x 1
- TX powered by input source
- Plug & play

# TT388DM

## 15 m Wireless HDMI Switch Extender

Max.10 inputs to 1 output switch

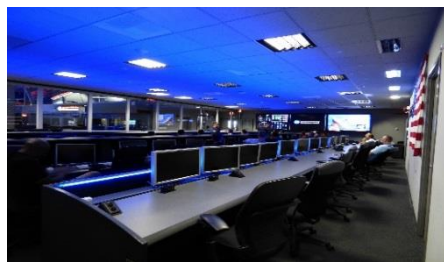
### ■ connection :



### ■ Application:



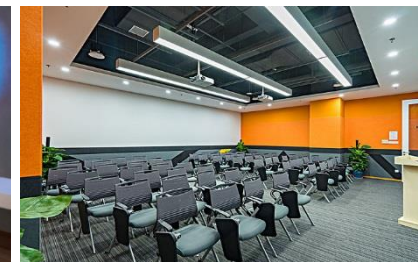
Meeting Room



Education



Home Entertainment



Academic hall

# TT388MINI

15 m Mini Size Wireless HDMI Extender



Wireless transmission



Mini design



HDMI / USB port for power



15M



1080P@60Hz



Plug and play

## Features

- **1080P** to **15 m** wirelessly
- Ultra Mini Size
- TX power by HDMI port, RX power by micro USB cable
- IR Control
- Plug & Play



# TT388MINI

15 m Mini Size Wireless HDMI Extender

## ■ Connection



## ■ Application



Meeting Room



Education



Home Entertainment



Super market

## Dividers HDMI

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Model No.	Product	Features
TT-312-V2.0	4K Splitter 1X2	HDMI2.0 4K@60Hz Splitter 1X2
TT-314-PRO	4K Splitter 1X4	4K@30Hz Splitter 1X4
TT-318-PRO	4K Splitter 1X8	4K@30Hz Splitter 1X8
TT-312HDR-2.0	4K HDR Splitter 1X2	HDMI2.0 4K@60Hz Splitter 1X2,with HDR
TT-314HDR-2.0	4K HDR Splitter 1X4	HDMI2.0 4K@60Hz Splitter 1X4,with HDR
TT-712-PRO	HDMI Splitter 1X2	HDMI Splitter 1X2 over Cat6 to 40M,with IR
TT-714-PRO	HDMI Splitter 1X4	HDMI Splitter 1X4 over Cat6 to 40M,with IR
TT-718-PRO	HDMI Splitter 1X8	HDMI Splitter 1X8 over Cat6 to 40M,with IR
TT-314-4K-HDbitT	4K Splitter 1X4	4K@30Hz Splitter 1X4 over Cat5/6 to 120M,with IR

# TT312-V2.0

## 4K HDMI2.0 Splitter 1X2



- HDMI 2.0
- HDCP 2.2
- UHD 4K @ 60Hz
- Splitter 1X2
- HDMI cable 20 m+ 20 m ( use TT1684K )





# TT314-PRO

## 4K Splitter 1X4

- UHD 4K @ 30Hz
- Splitter 1X4
- HDMI cable 20 m+ 20 m ( use TT1684K )

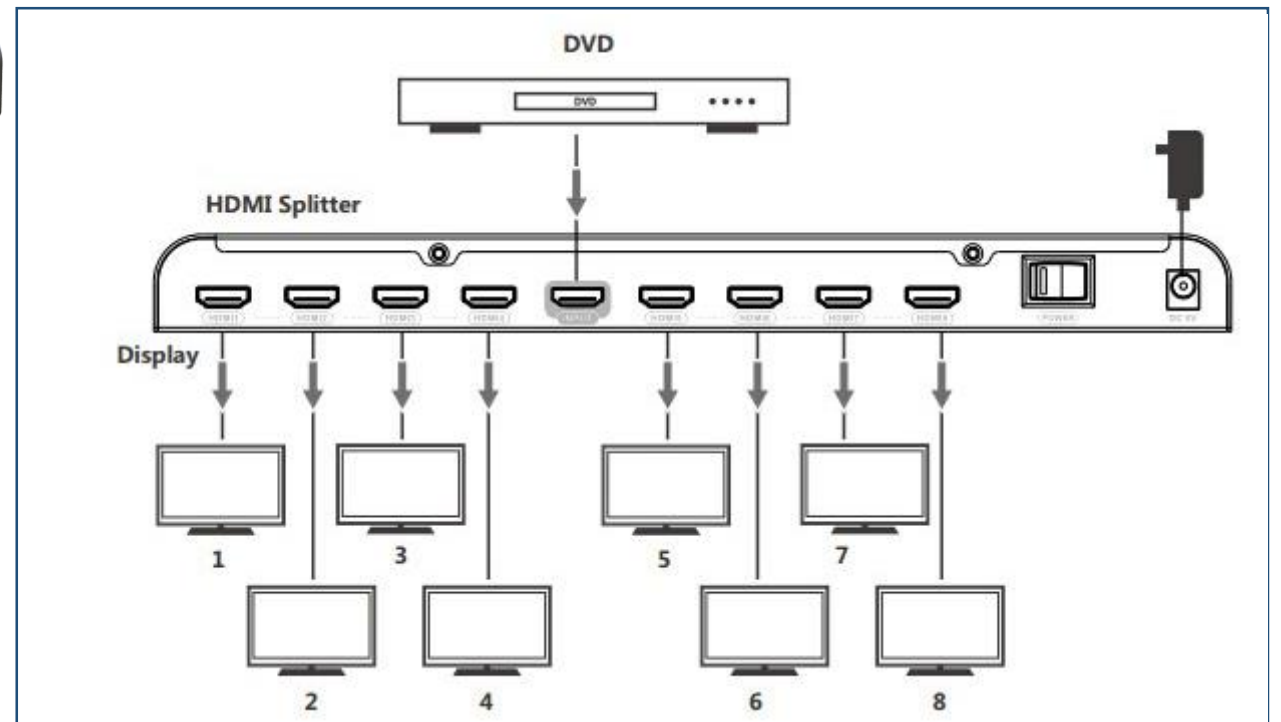


# TT318-PRO

## 4K Splitter 1x8



- **UHD 4K @ 30Hz**
- **Splitter 1x8**
- **HDMI cable 20 m+ 20 m ( use TT1684K )**





# TT312HDR-2.0

## 4K HDMI2.0 Splitter 1x2,HDR



- HDMI2.0
- HDCP2.2
- UHD 4K @ 60Hz
- HDR
- Splitter 1 x 2
- HDMI cable 20 m + 20 m ( use TT1684K )

HDMI 2.0

HDR

4Kx2K@60Hz

Splitter 1x2

3D

Plug & Play



# TT314HDR-2.0

4K HDMI2.0 Splitter 1X4,HDR

- HDMI2.0
- HDCP2.2
- UHD 4K @ 60Hz
- HDR
- Splitter 1X4
- HDMI wire 20 m + 20 m ( Use TT1684K )



HDMI 2.0

HDR

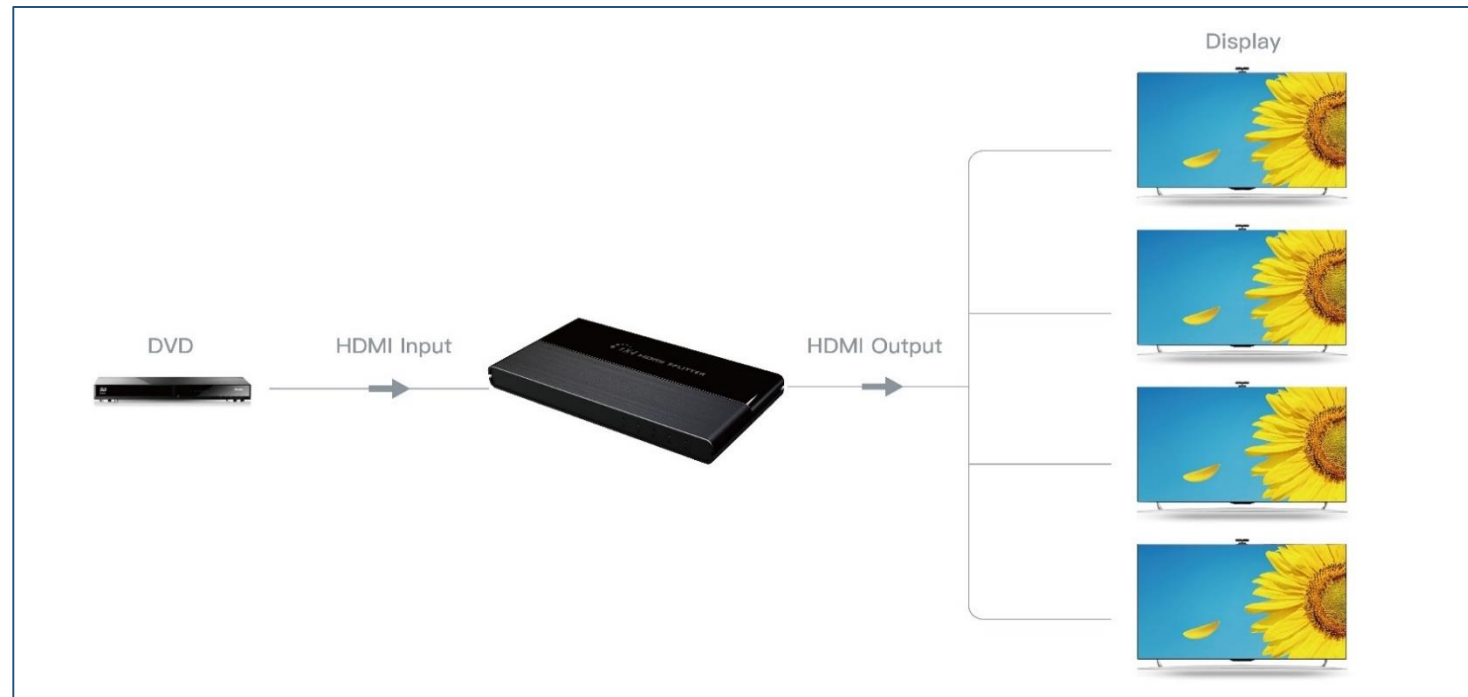
4Kx2K@60Hz

Splitter 1x4

3D

Plug & Play

## ■ Connection



# TT318EDID-V2.0

## 4K x 2K HDMI2.0 Splitter 1X8



- HDMI 2.0
- HDCP 2.2
- UHD 4K @ 60 Hz
- Splitter 1X8
- HDMI wire 20 m + 20 m ( Use TT1684K )
- EDID Switch

### ■ Connection

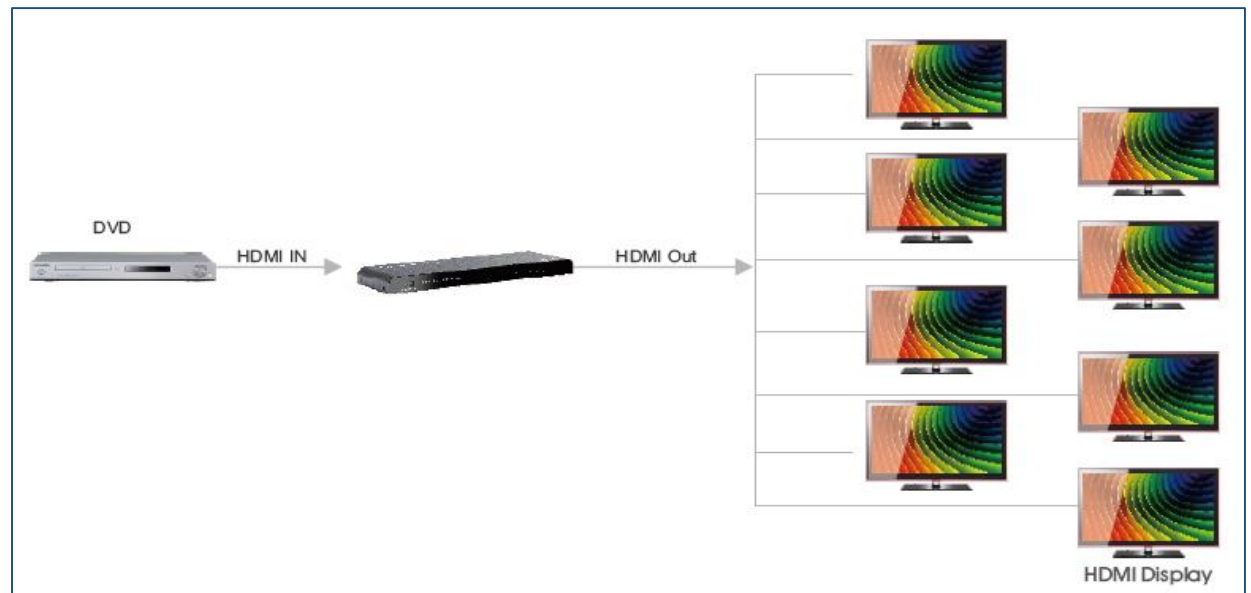
HDMI 2.0

4K x 2K @ 60Hz

Splitter 1x8

3D

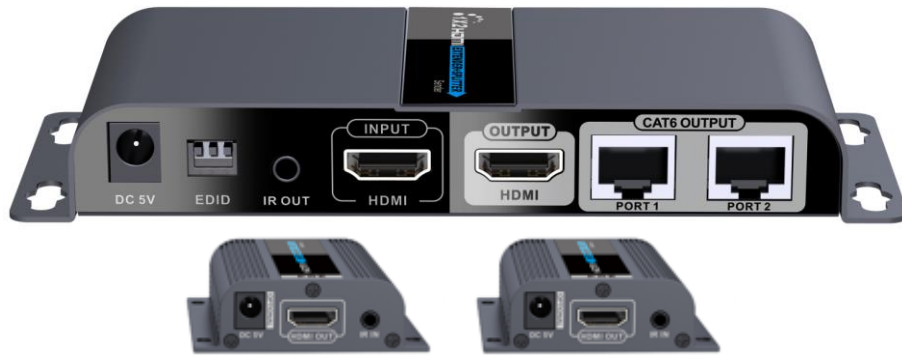
Plug & Play



# TT712PRO

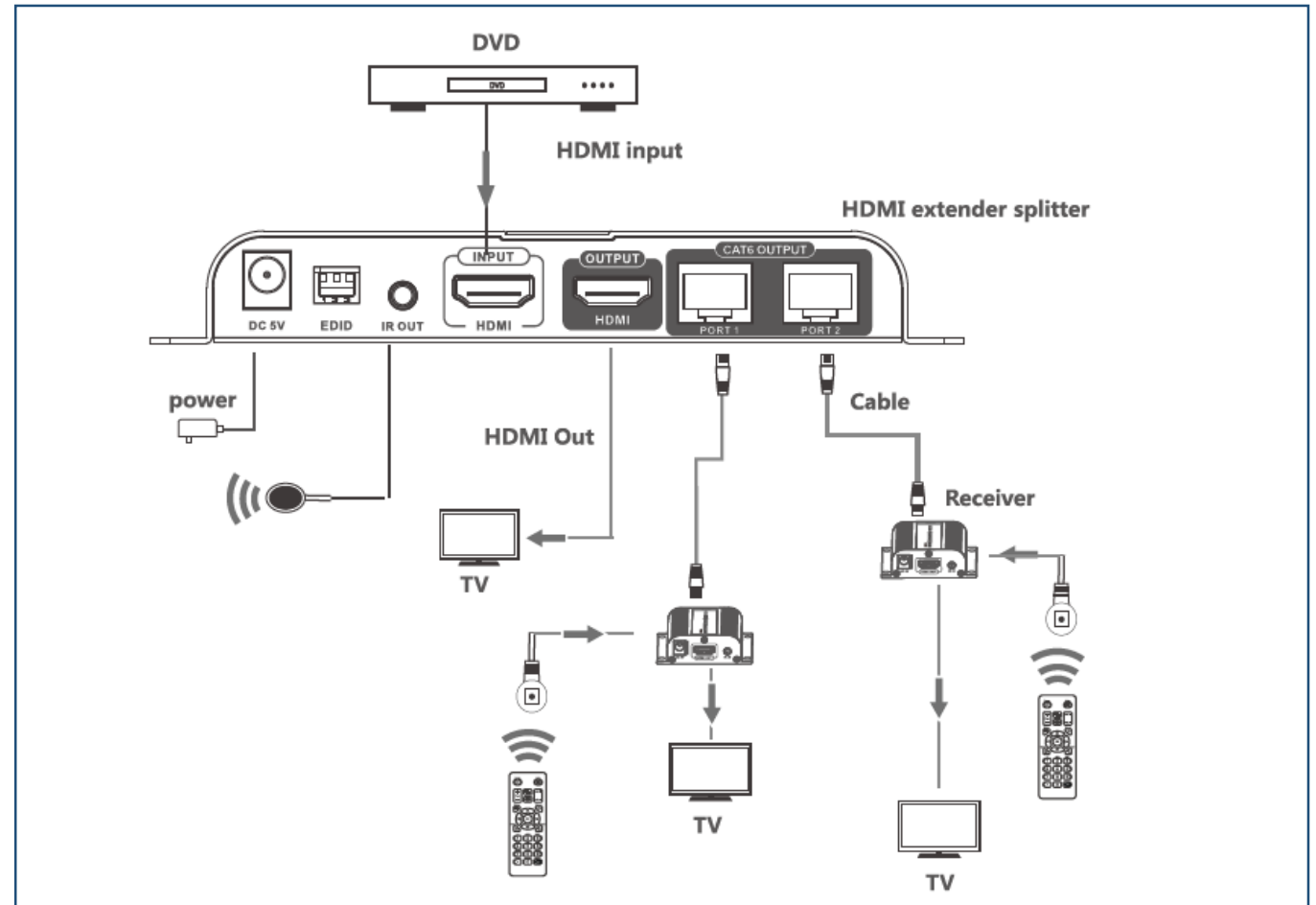
## HDMI Splitter 1X2 over Cat6 to 40 m

### ■ Connection



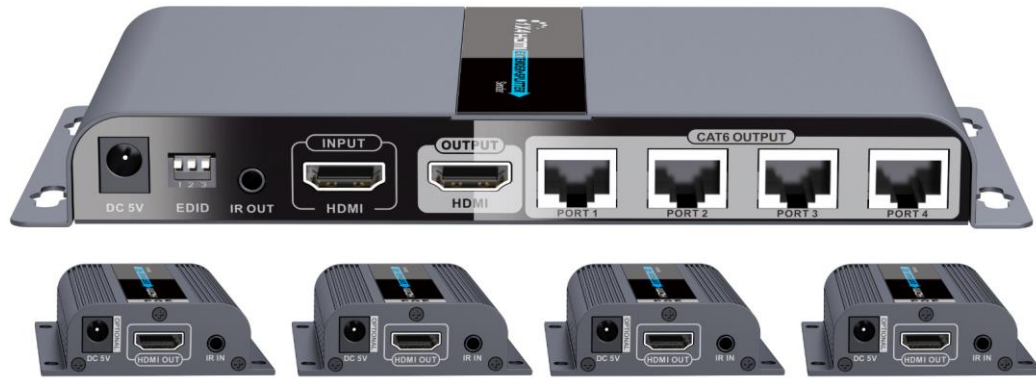
### Features

- Full **1080P** Splitter 1X2
- Over CAT6 to **40 m** ( use **TT1684K** )
- PoC-One power supply on TX only
- **HDMI Loop-out**
- **IR Control**



# TT714PRO

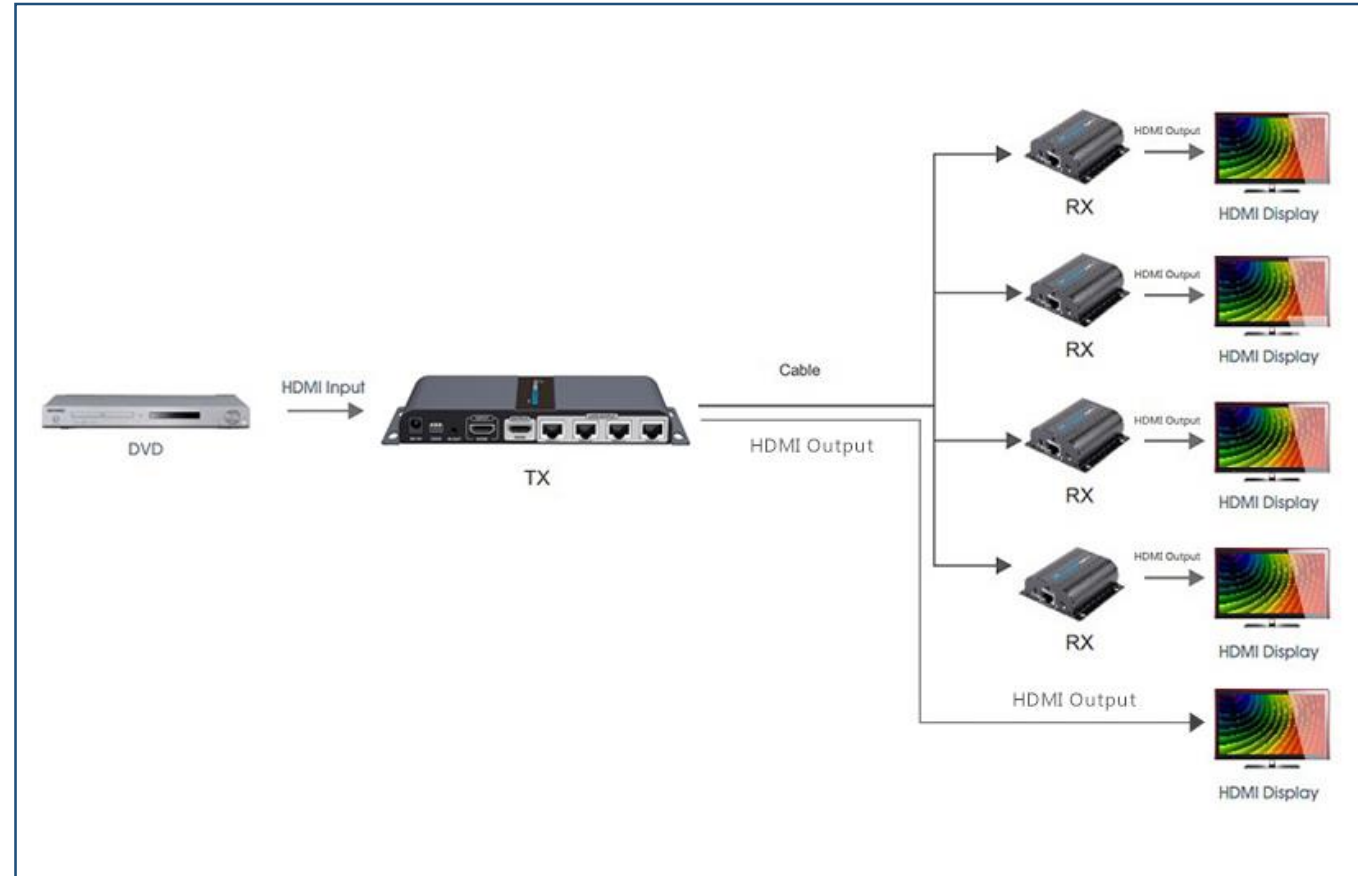
## HDMI Splitter 1X4 over Cat6 to 40 m



### Features

- Full **1080P** Splitter 1X4
- Over CAT6 to **40 m** ( use **TT1684K** )
- PoC-One power supply on TX only
- **HDMI Loop-out**
- **IR Control**

### ■ Connection



# TT718PRO

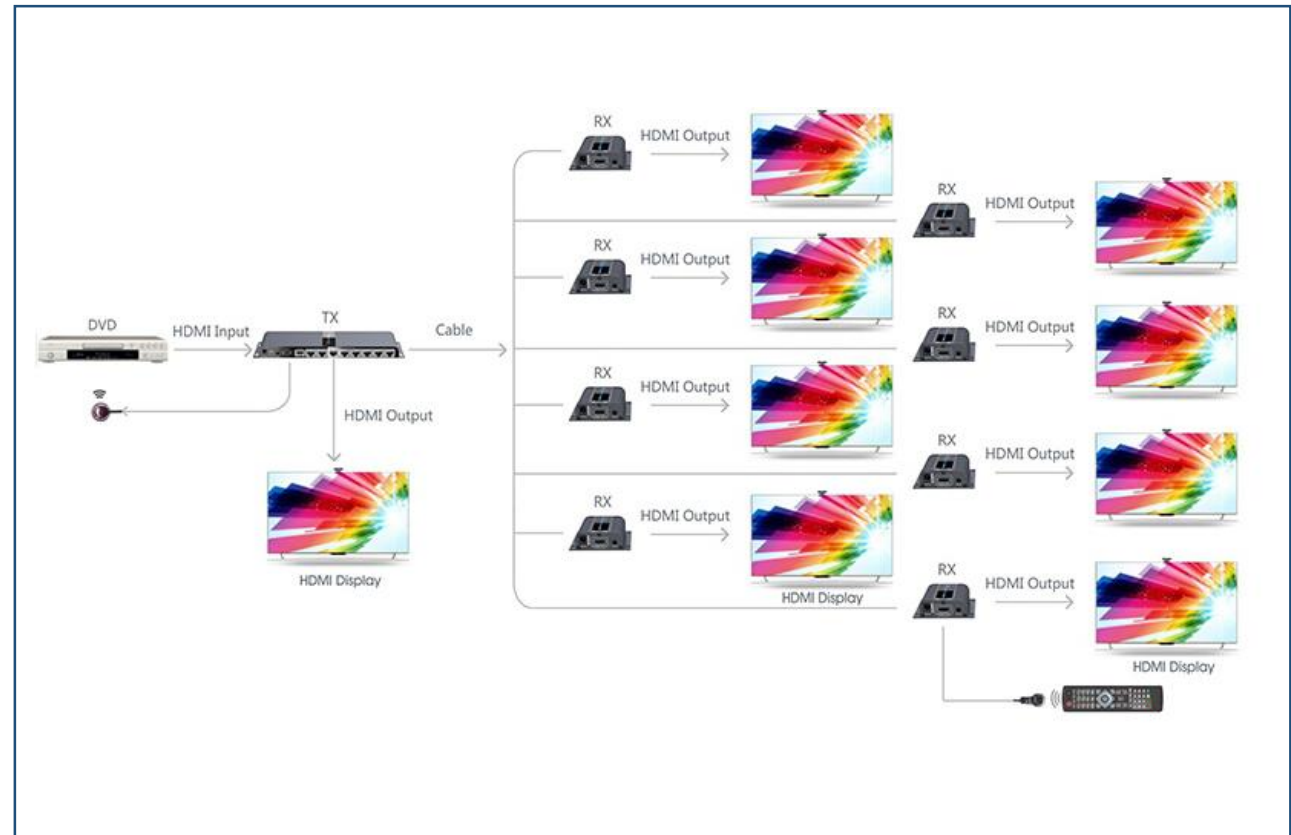
## HDMI Splitter 1X8 over Cat6 to 40 m



### Features

- Full **1080P** Splitter 1X8
- Over CAT6 to **40 m** ( use TT1684K )
- PoC-One power supply on TX only
- **HDMI Loop-out**
- **IR Control**

### ■ Connection



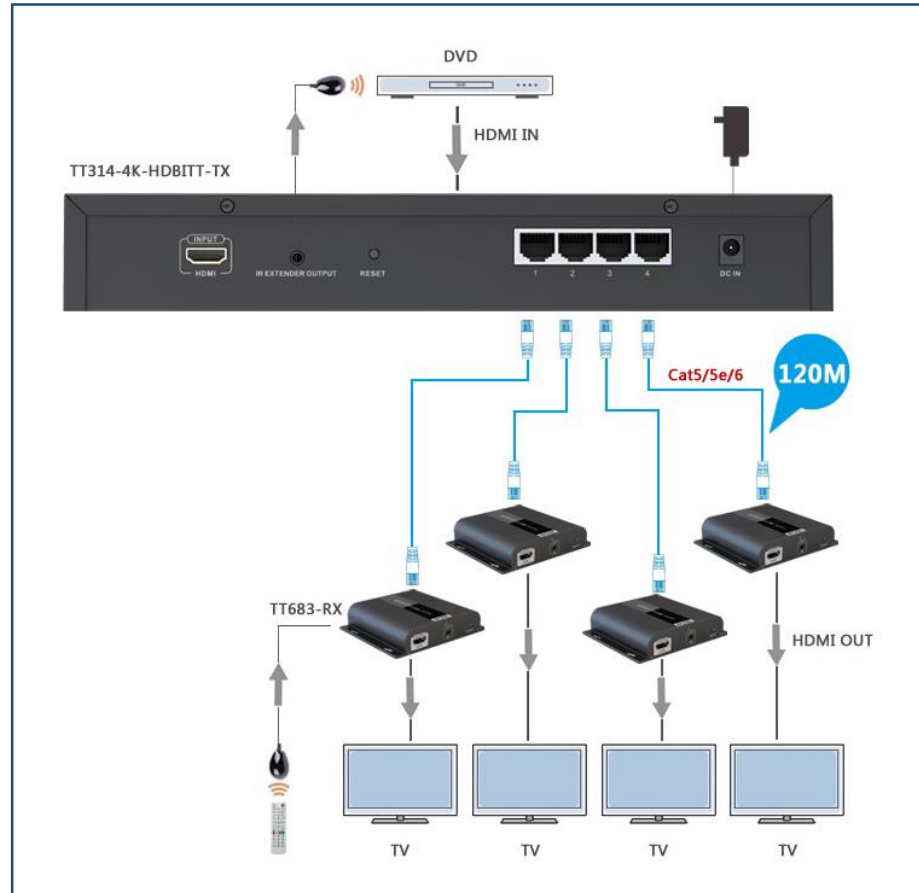
# TT314-4K-HDbitT

HDMI Splitter 1X4 over Cat5 to **120 m**



- **4K** Splitter 1X4
- Over CAT5 to **120 m**
- **IR** Control

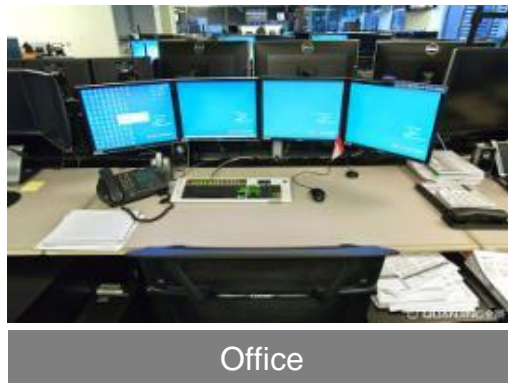
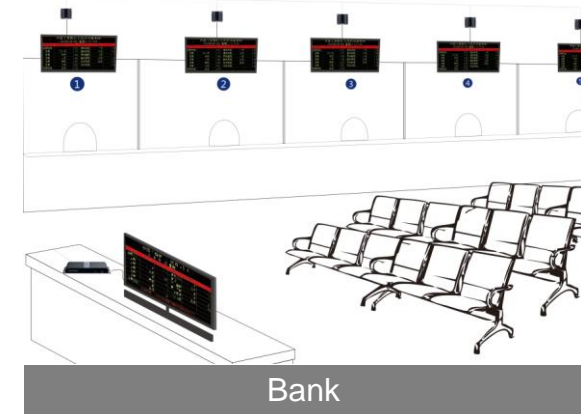
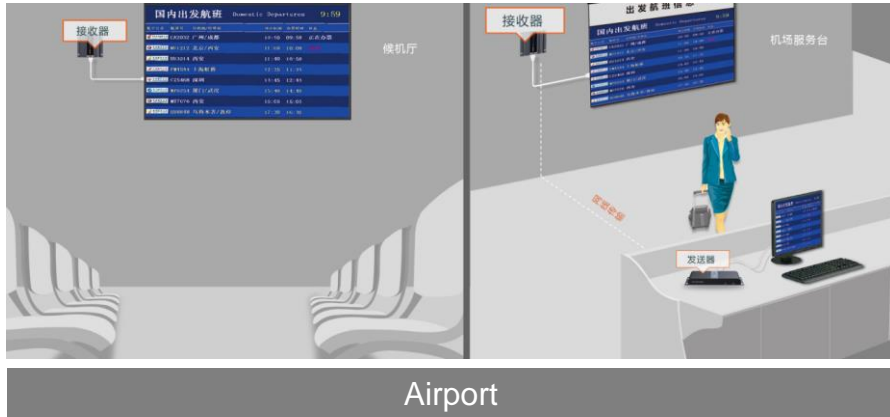
\* Requiere de 4 receptores **TT683RX**





# APPLICATION CASE

## HDMI Splitter & HDMI Splitter Extender Kit





# HDMI Matrix Switch

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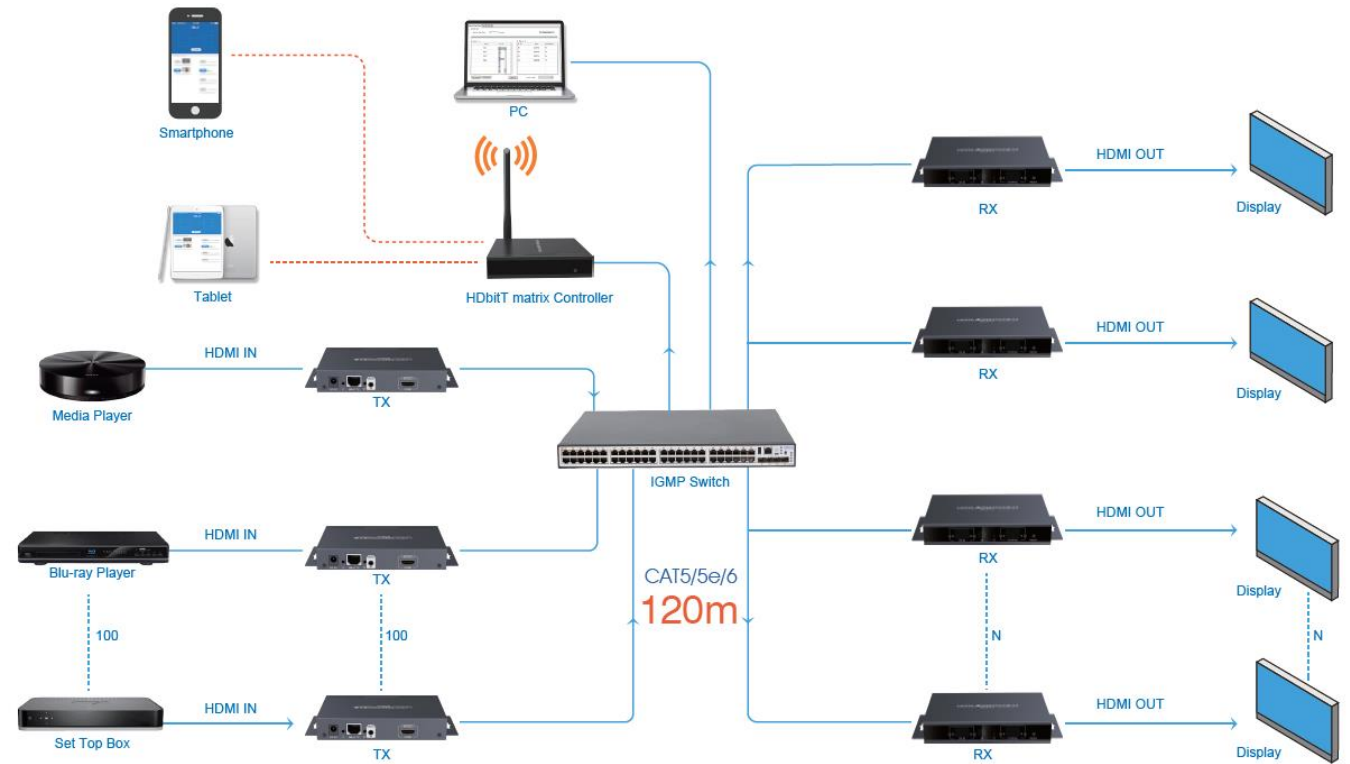
Model No.	Product	Features
TT-383-MATRIX	HDMI Matrix Extender	Full 1080P over Cat5/6 to 120M/150M,with IR and Matrix
TT-383-MATRIX-RX	HDMI Matrix Receiver	Full 1080P over Cat5/6 to 120M/150M,with IR and Matrix
TT-683-MATRIX	4K Matrix Extender	4K@30Hz over Cat5/6 to 120M,with IR and Matrix
TT-683-MATRIX-RX	4K Matrix Receiver	4K@30Hz over Cat5/6 to 120M,with IR and Matrix
TT-414	HDMI Matrix 4X4	4K Matrix 4 X 4
TT-818	HDMI Matrix 8X8	4K Matrix 8 X 8
TT-744	HDMI Matrix 4X4	HDMI Matrix 4X4 over CAT6 to 40M,with IR,loop-out and POE

# TT383MATRIX

## Extenders over IP CAT Cable **MATRIX**



- **1080P** over Cat5/6 to **120/150 m**
- Max.100 input channels
- **Unlimited output**
- Remote ,PC, Button and APP control



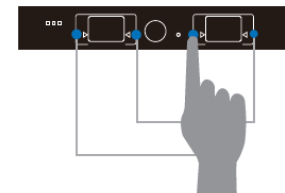
### Various Control Methods



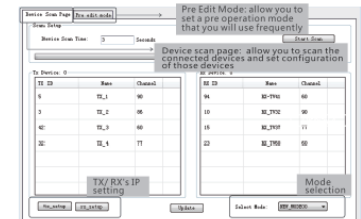
APP Control  
(Android, ios, PC)



IR Control  
(20~60KHz IR frequency range)



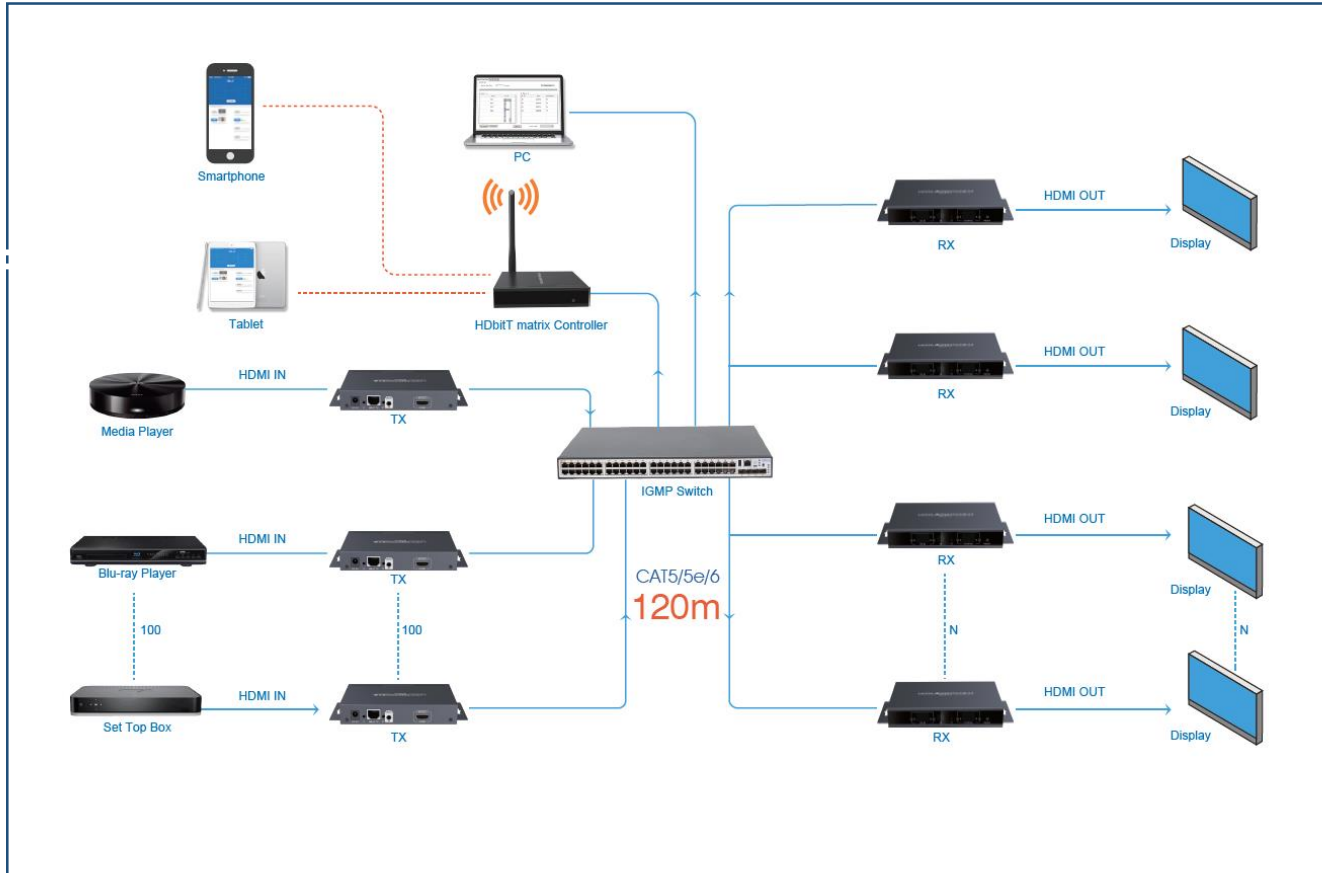
Hard Button Control  
(Select and switch source)



Via Webpage Control  
( Login IP:192.168.2.XXX )

# TT383MATRIX-RX

Receiver over IP CAT Cable **MATRIX**



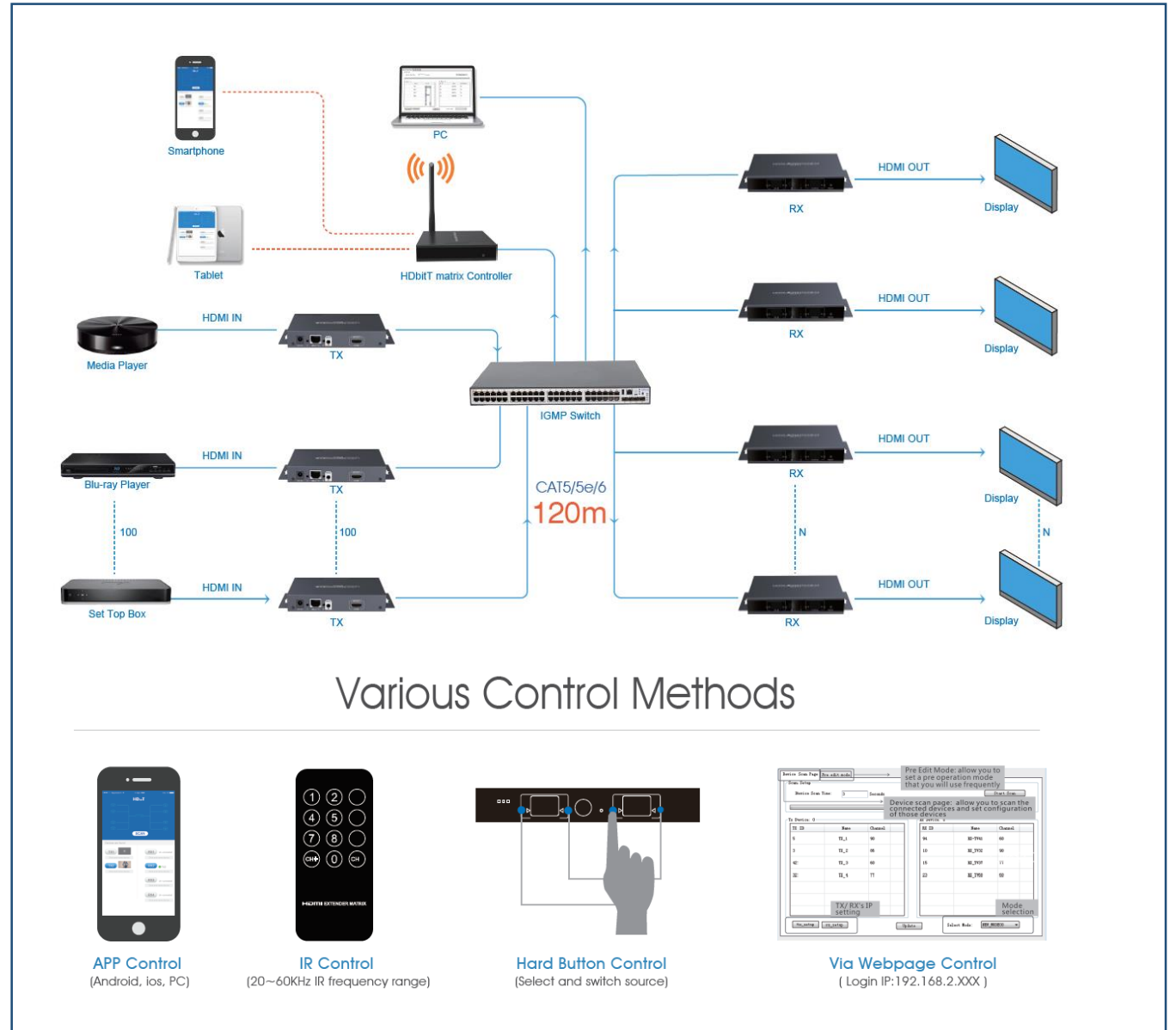
- 1080P over Cat5/6 to 120 / 150 m
- Max.100 input channels
- Unlimited output
- Remote ,PC , Button and APP control

# TT683MATRIX

4K Extenders over IP CAT Cable MATRIX



- 4K over Cat5/6 to 120 / 150 m
- Max.100 input channels
- Unlimited output
- Remote , PC, Button and APP control

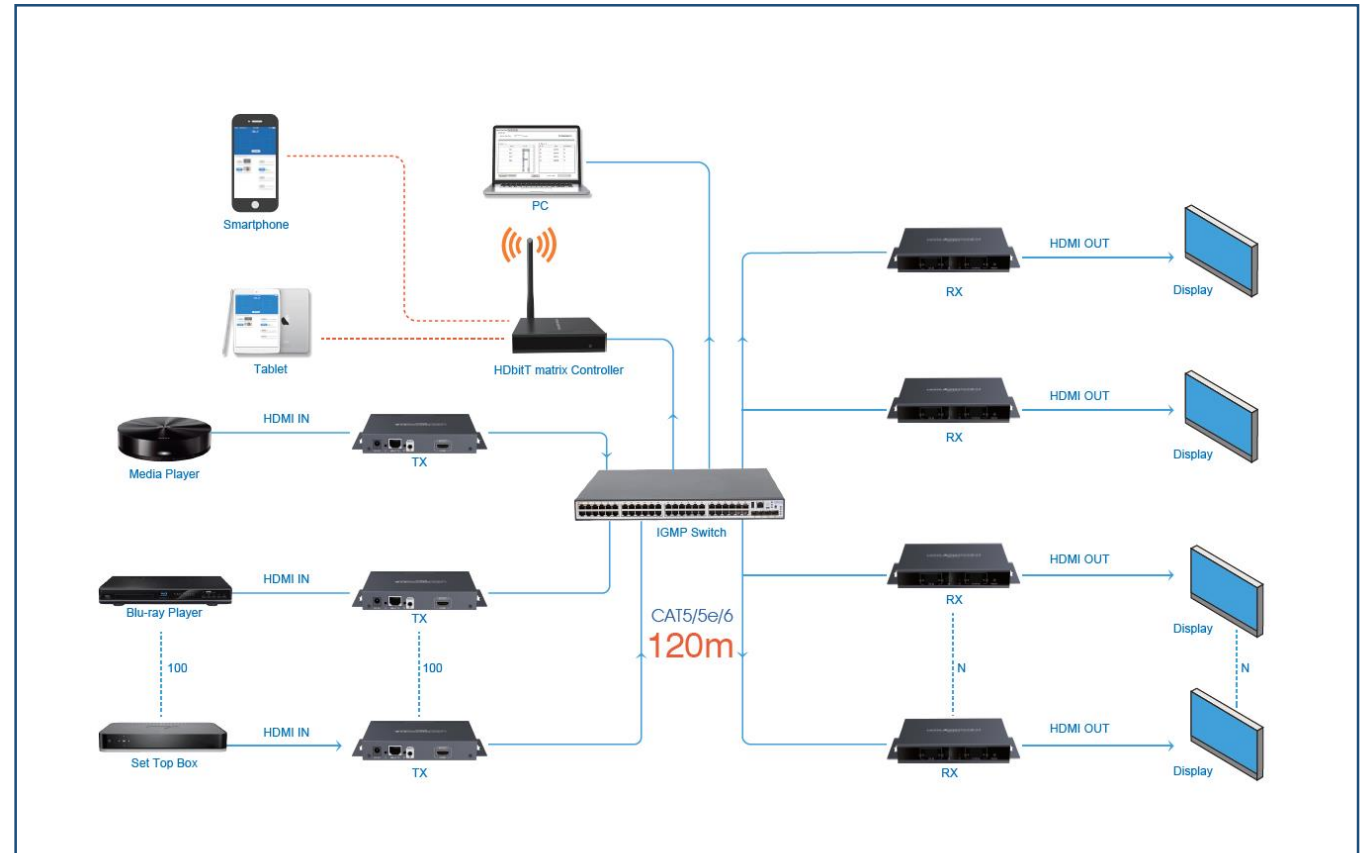


# TT683MATRIX-RX

4K Receiver over IP CAT Cable MATRIX



- 4K over Cat5/6 to 120 / 150 m
- Max.100 input channels
- Unlimited output
- Remote ,PC ,Button and APP control

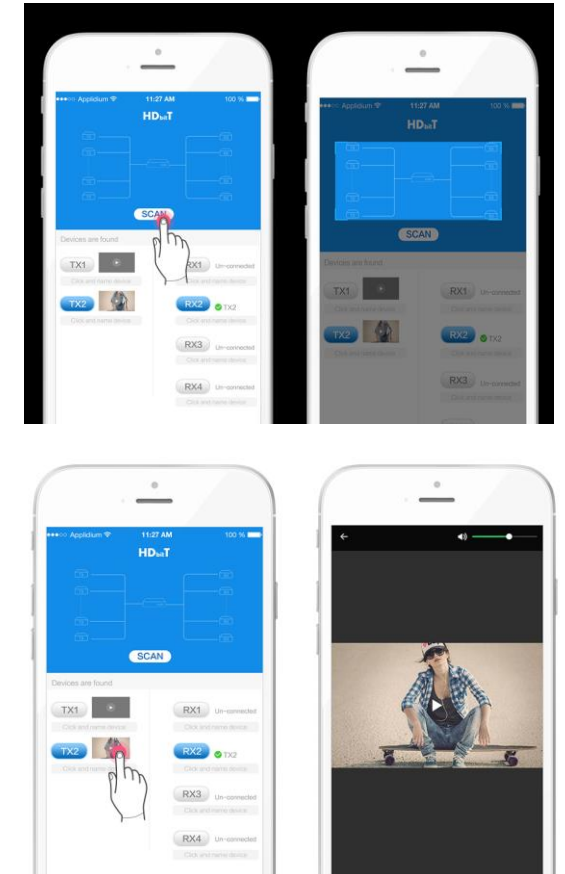
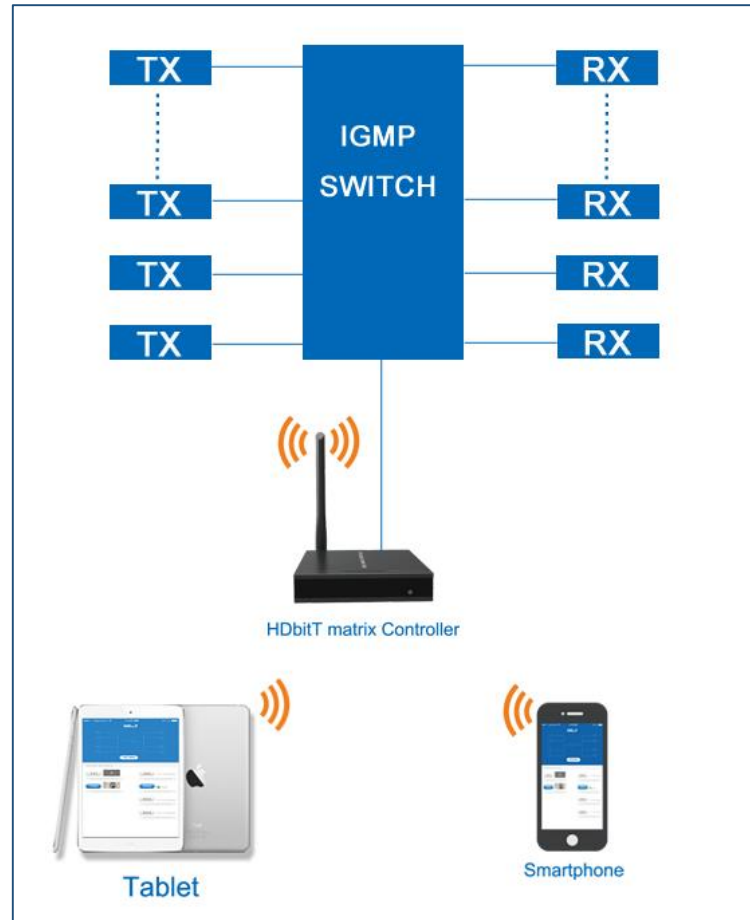


# HDMC001

## Controller of MATRIX





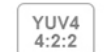




- Wireless controller of **TT383MATRIX / TT683MATRIX**
- Used by **APP** on smart phone or laptop
- Preview function
- Set ID of TX and RX
- Easy change channel



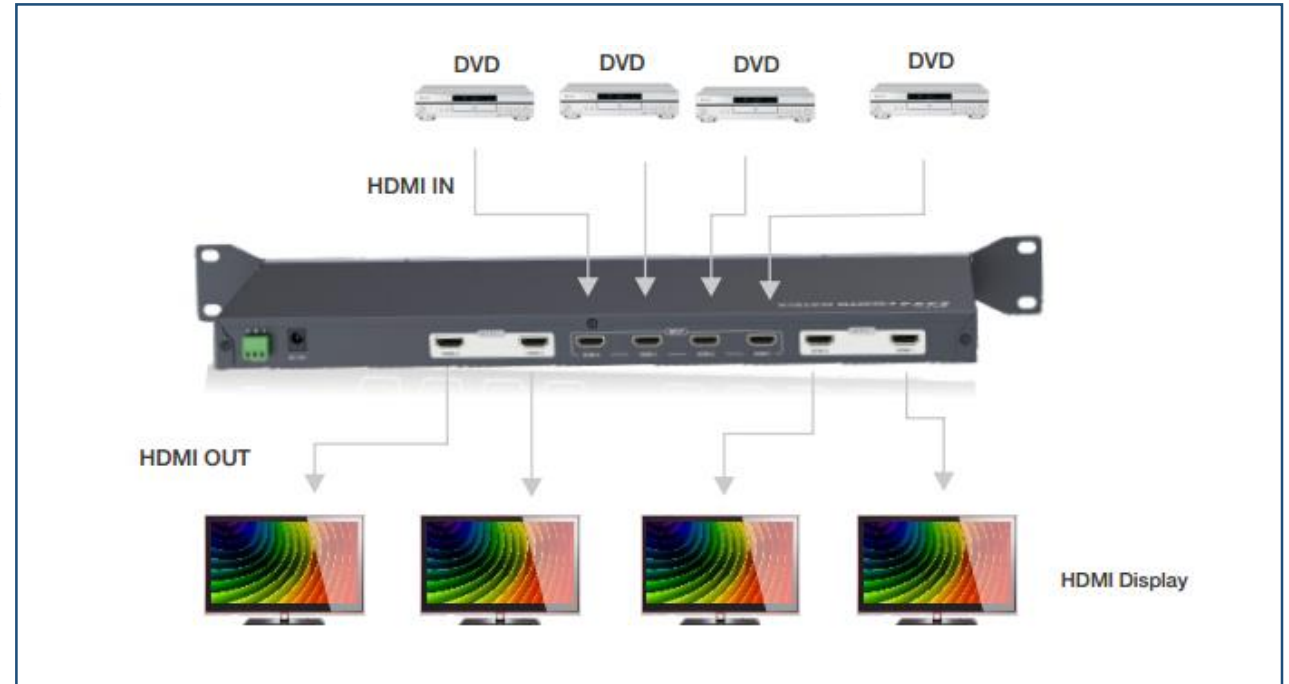
# TT414

## 4K HDMI Matrix Switch 4 x 4



 8 input 8 output	 4K x 2K @ 30Hz	 YUV4:2:2	 10.2 Gbps	 HDMI 1.4	 HDCP 1.4	 3D
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- 4 HDMI inputs & 4 HDMI outputs @ 40 m ( use TT1684K )
- 4K X 2K @30 Hz
- YUV : 4: 2: 2
- 3D
- Remote control , RS232, Button control

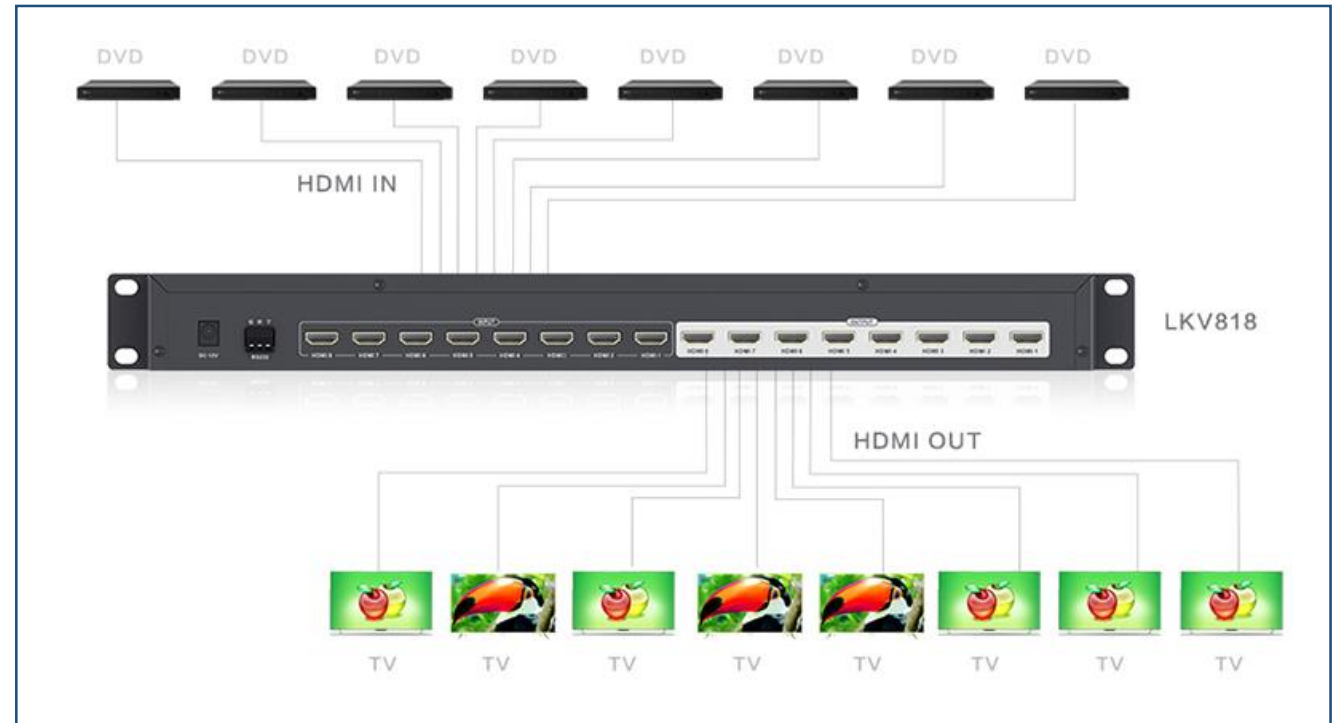
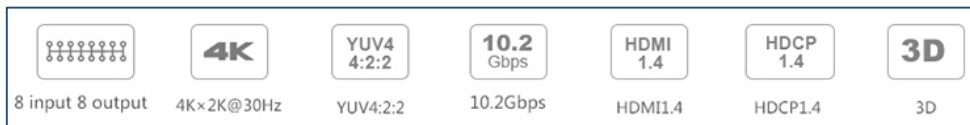




# TT818

## 4K HDMI Matrix Switch 8X8

- 8 HDMI inputs & 8 HDMI outputs
- 4K X 2K @ 30HZ @ 40 m ( use TT1684K )
- YUV : 4: 2: 2
- 3D
- Remote control , RS232, Button control



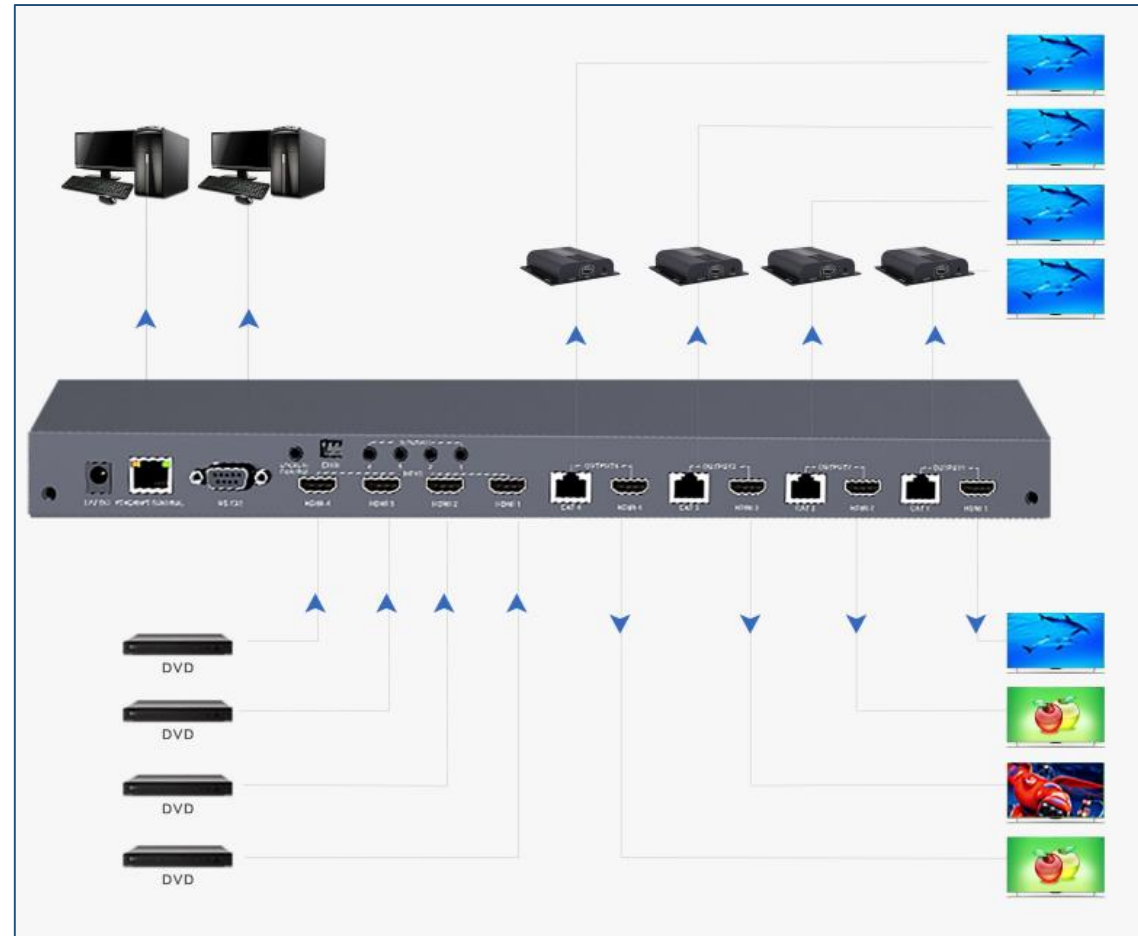


# TT744

HDMI Matrix Switch 4x4, **1080P @ 40 m**



- 4 x HDMI input, 4 x HDMI out, 4x RJ45
- **1080P** over CAT6 to **40 m** ( use TT1684K )
- POE-only one power supply on TX side
- Loop-out
- IR, RS232



# Switch Multiviewer

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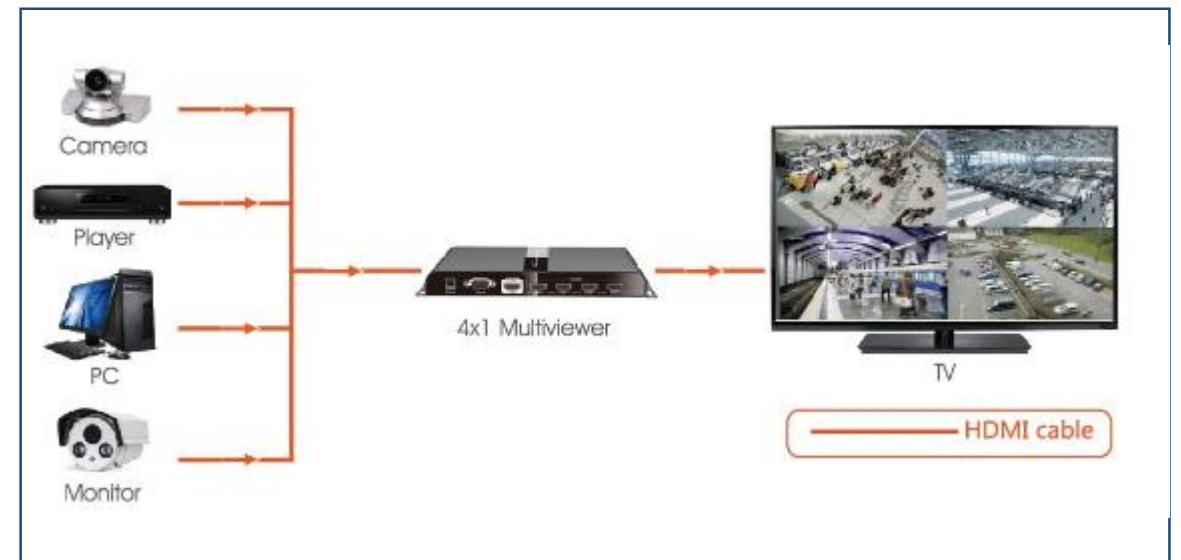
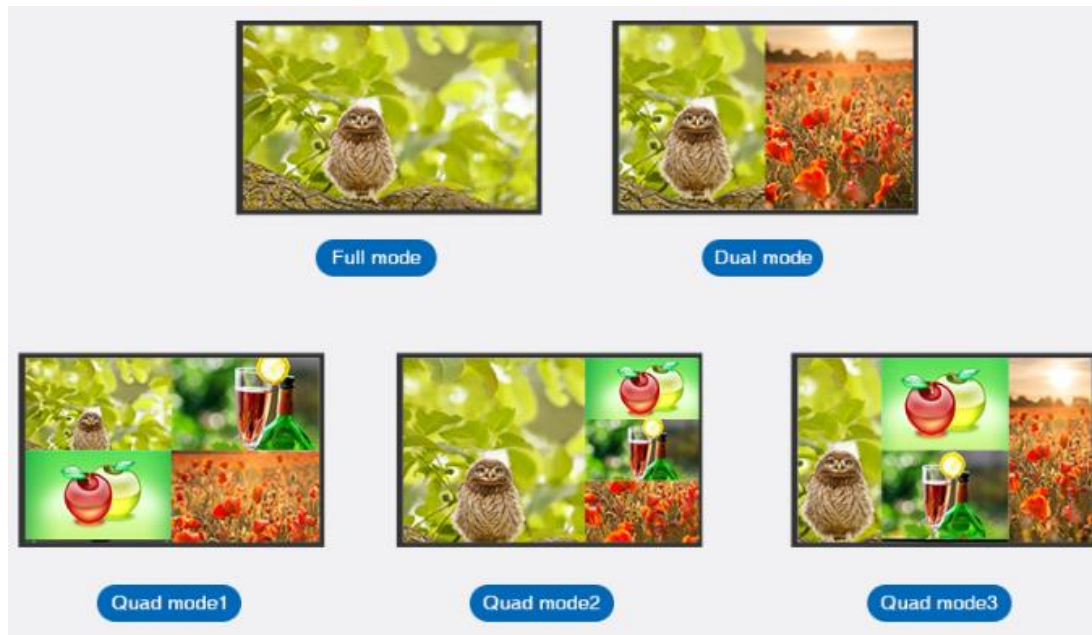
Model No.	Product	Features
TT-401MS	HDMI Switch Multiviewer	HDMI Quad Screen Multiviewer Switch

# TT401MS

## HDMI Quad Screen Multiviewer Switch



- Support 4 HDMI inputs, 1 HDMI output
- Support quad mode, full screen mode and dual mode
- HDMI signal resolution supported is up to **1080p @ 60 Hz**
- Support to switch mode by remote control and button
- Support seamless handover



# VideoWall

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Model No.	Product	Features
TT-312-VW	Video Wall Controller	HDMI 1X2 Video Wall Controller
TT-314-VW	Video Wall Controller	HDMI 2X2 Video Wall Controller

# TT312VW

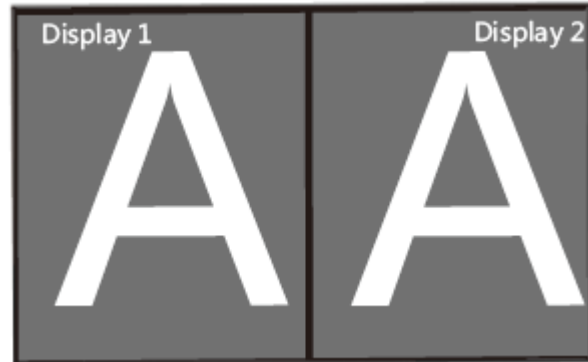
## HDMI 1X2 Video Wall Controller



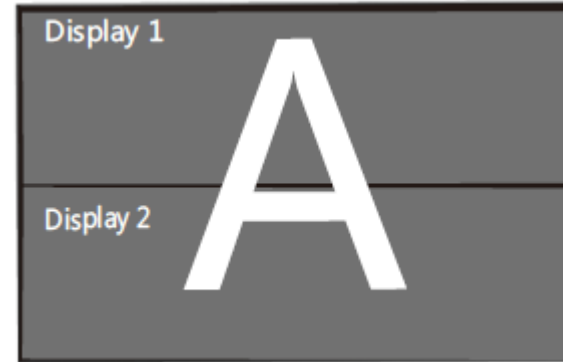
- Video wall controller 1X2
- **1080P @ 60 Hz.**
- Support video wall screen mode and clone screen mode.
- With 3.5mm audio output port, access to audio equipment



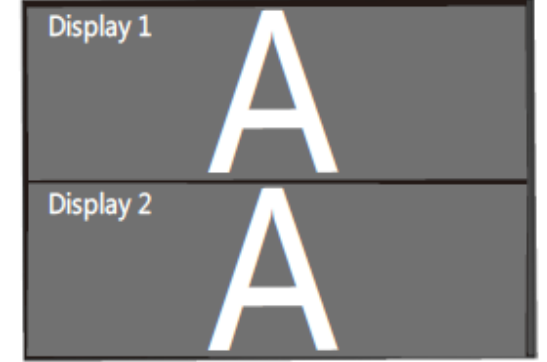
Video Wall Screen Mode



Clone Screen Mode



Video Wall Screen Mode



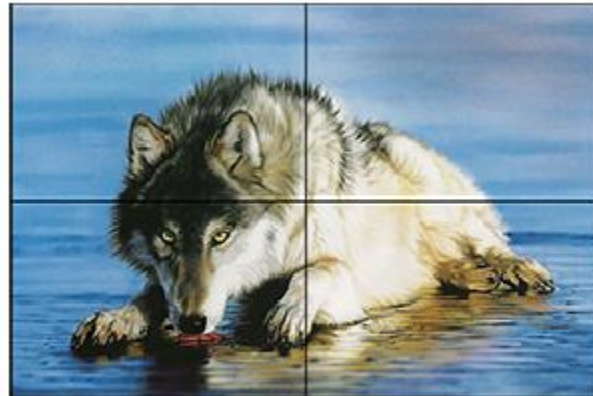
Clone Screen Mode

# TT314VW

## HDMI 2X2 Video Wall Controller



- With 4 HDMI outputs, divides the input video into four parts and extend to four same size displays.
- Resolution supported is up to **1080p @ 60Hz**.
- Support video wall screen mode and clone screen mode.
- With 3.5mm audio output port, access to audio equipment easily.



Full Mode



Clone Mode

# Video Switch

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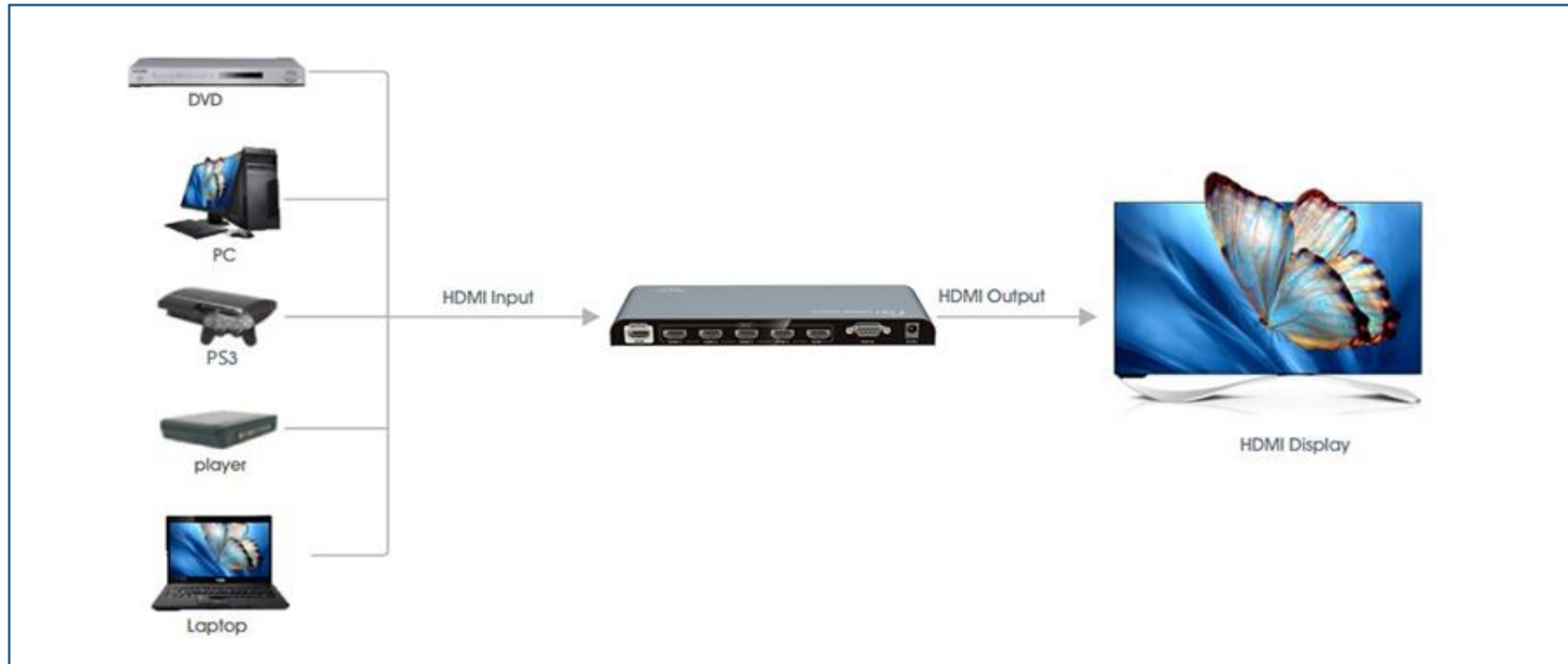
Model No.	Product	Features
TT-501-V2.0	4K Switch 5X1	HDMI2.0 4K Switch 5X1

# TT501-V2.0

## 4K Switch 5X1



- HDMI2.0
- HDCP2.2
- UHD 4K @ 60 Hz
- Switch 5X1
- HDMI cable 20 m+20 m ( use TT1684K )





# Converter

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Model No.	Product	Features
TT-350-MINI	VGA to HDMI Converter	Mini VGA to HDMI Converter
TT-352-N	VGA to HDMI Converter	VGA to HDMI Converter
TT-352-4K	4K VGA to HDMI Converter	4K VGA to HDMI Converter
TT-366	BNC to HDMI Converter	BNC to HDMI Converter
TT-7505	BNC to VGA Converter	BNC to VGA Converter
TT-3061	Audio Extractor	HDMI2.0 Audio Extractor

# TT350MINI

## VGA to HDMI Converter

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- VGA to HDMI
- **1080P @ 60Hz**
- Plug & Play



# TT352N

## VGA to HDMI Converter

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- VGA to HDMI
- **1080P @ 60 Hz**
- Plug & Play



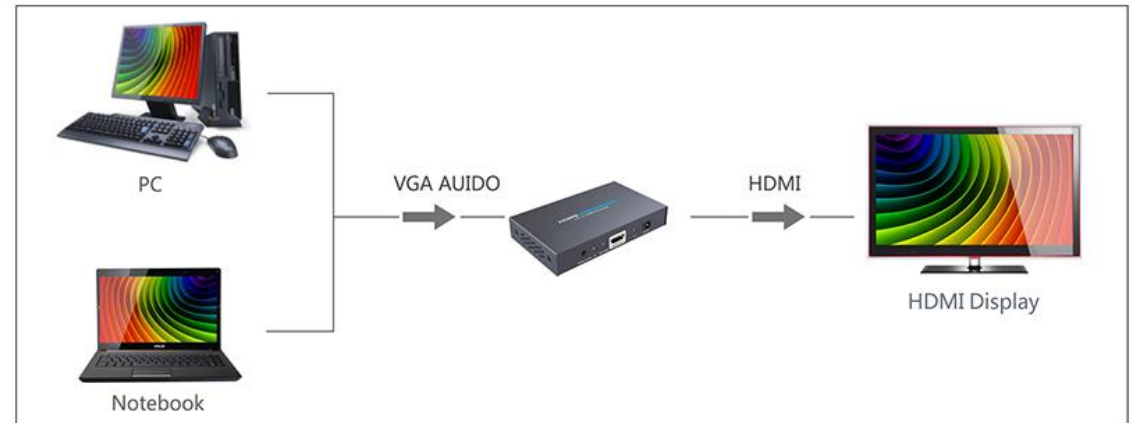
# TT352-4K

## VGA to **4K** HDMI Converter

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- VGA to HDMI
- **4K @ 60 Hz**
- Supports HDMI2.0
- Plug & Play



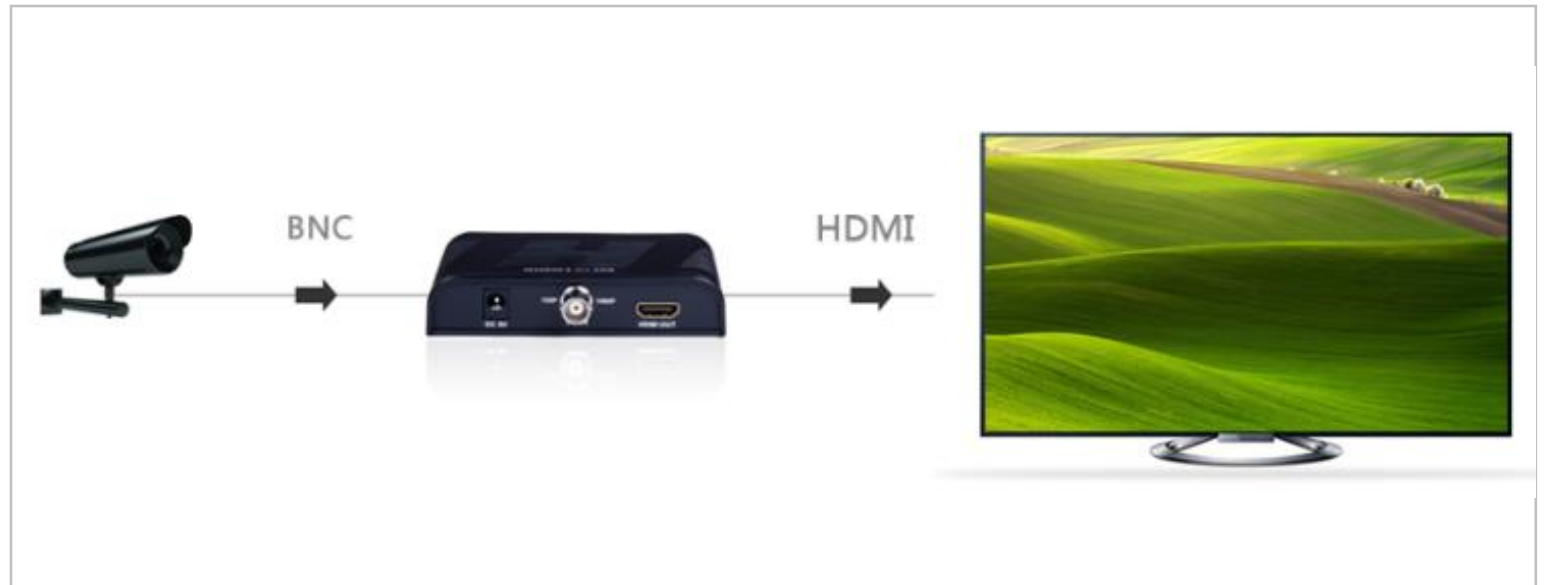
# TT366

## BNC to HDMI Converter

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- BNC to HDMI
  - supports output **720P / 1080p**
  - Plug & Play
- 

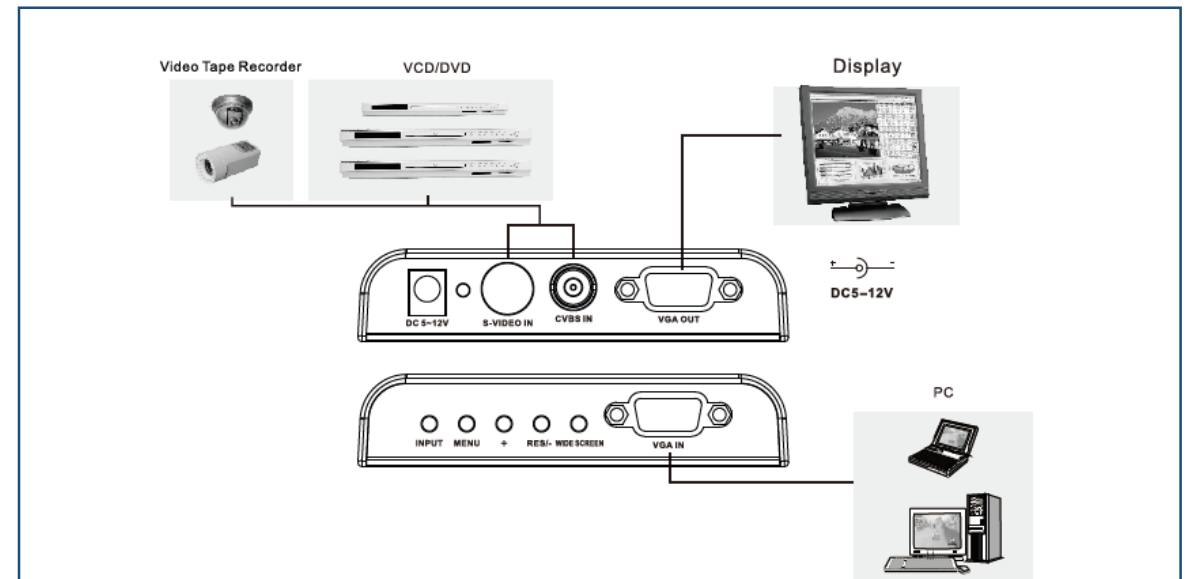


# TT7505

## BNC & S-Video to VGA Converter



- BNC & S-Video to VGA
- Support output **720P / 1080p**
- Plug & Play

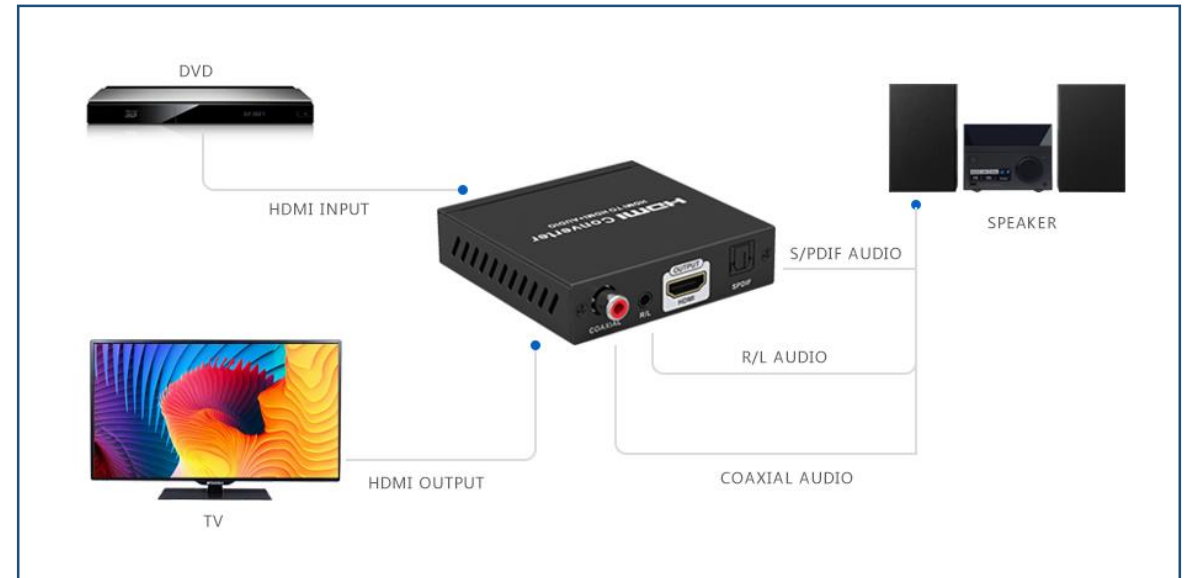


# TT3061

## HDMI2.0 Audio Extractor



- Audio Extractor
- Supports HDMI 2.0, **4K @ 60 Hz**
- HDCP2.2 and HDMI1.4 Switch
- Supports HDR
- Supports ARC





# Extensor Repetidor HDMI

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Model No.	Product	Features
TT-168-4K	HDMI2.0 Repeater	HDMI Repeater Extender

# TT168-4K

## 4K HDMI2.0 Repeater Extender



### Features

- Supports **4X @ 60Hz**
- **HDMI 2.0**
- **HDCP 2.2**
- Power supply 5 Vdc
- Plug & Play

### ■ Connection



HDMI2.0

Repeater

4K

HDCP2.2

[WWW.EPCOM.NET](http://WWW.EPCOM.NET)