



# PU-8H8CTX

8-Way HDMI HDBaseT™

Transmitter (inc. POE)

OPERATION MANUAL



## SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

## REVISION HISTORY

VERSION NO.	DATE	SUMMARY OF CHANGE
RDV1	22/09/2011	Preliminary Release
RDV2	12/01/2012	



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## 1. INTRODUCTION

The HDMI over CAT6 transmitter is an useful device for extending and controlling your HDMI signals. With 8 HDMI input ports and 8 CAT6 output ports this device allows a great amount of sources and display to be controlled and display up to 100 meters away.

## 2. APPLICATIONS

- Commercial advertising and displaying
- Lecture room display
- Hyper market demonstration

## 3. PACKAGE CONTENTS

- HDMI over CAT6 Transmitter
- 24V/6.25A DC adaptor x 1
- Operation manual

## 4. SYSTEM REQUIREMENTS

- Input source equipments with HDMI connection cables
- Industry CAT5e/6/7 cable.

## 5. FEATURES

- HDMI, HDCP1.1 and DVI compliant
- Supports HDMI v1.4 features:
  - 3D
- Supports POE function(Receiver side must also supports POE in order to enjoy the function\_
- Supports high bit rate audio up to 192kHz
- Supports resolutions to VGA ~ WUXGA and 480i~1080p follow by output display's EDID
- Supports audio up to 7.1Ch, Dolby TrueHD and DTS-HD
- Supports uncompressed video 1080p, 60Hz, 36bits
- Supports extension up to 80 meters through CAT5e or 100 meters through CAT6/7
- Supports 3D signal display follow by display TV's EDID
- Supports HDMI input up to 10 meters with 8bits resolution or 6 meters with 12bits resolution
- 1U size design

## 6. OPERATION CONTROLS AND FUNCTIONS

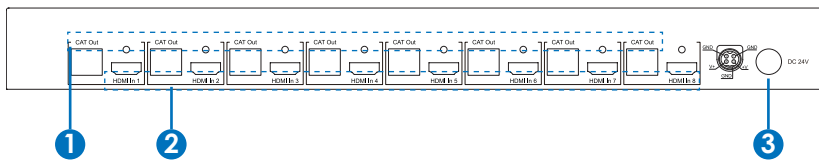
### 6.1 Front Panel



#### 1 Power LED:

The LED will illuminate in blue when the power is on.

### 6.2 Rear Panel



#### 1 CAT:

These slots are to connect with CAT5e/6/7 cable from the Receiver HDMI Over CAT6 side.

#### 2 HDMI IN 1~8:

These slots are to connect with input source equipment such as DVD player or Set-Up-Box with HDMI cable or DVI to HDMI converter cable for input signal sending.

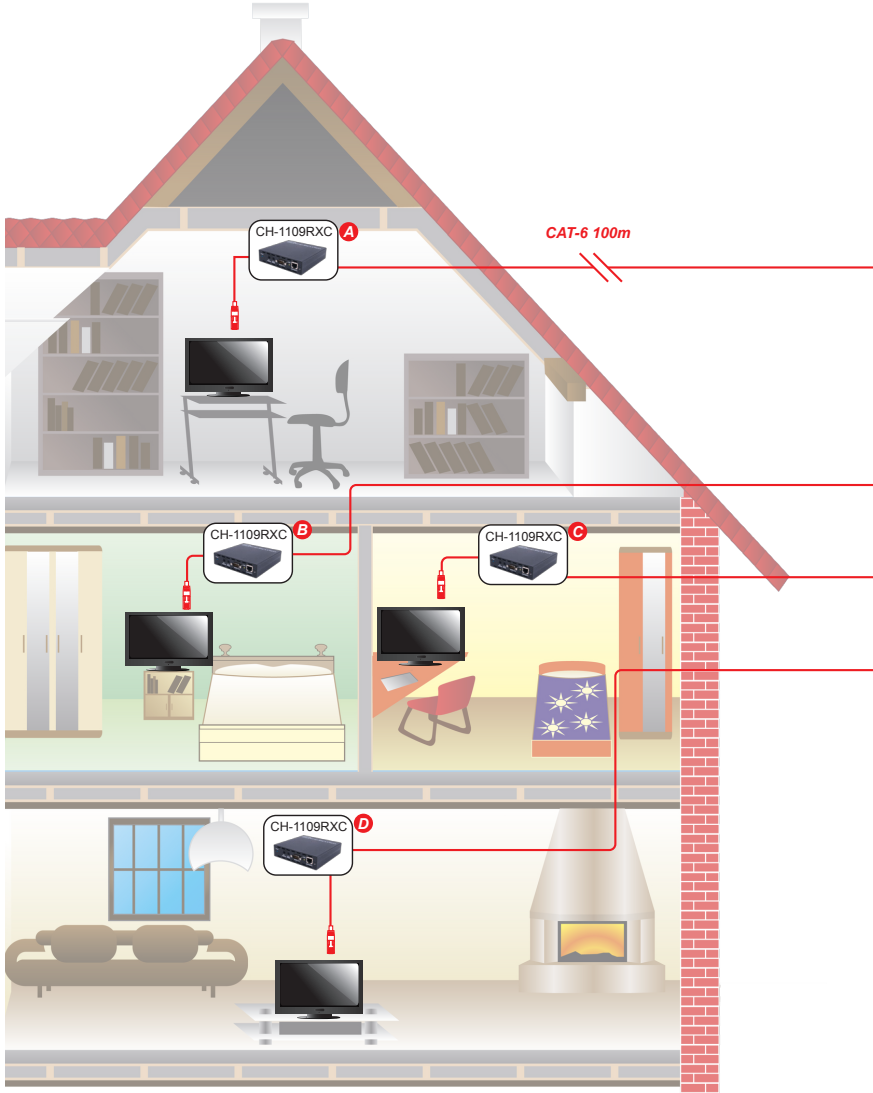
#### 3 DC 24V:

This slot is where user connect the 24V DC power adaptor and plug the adaptor to an AC wall outlet. Also for power supply when the CAT 6 out are not connected with power. (Receiver supports POE functions are CH-1109RXC & Ch-507RX. Receivers not supporting POE functions are CH-501RX and CH506RX)

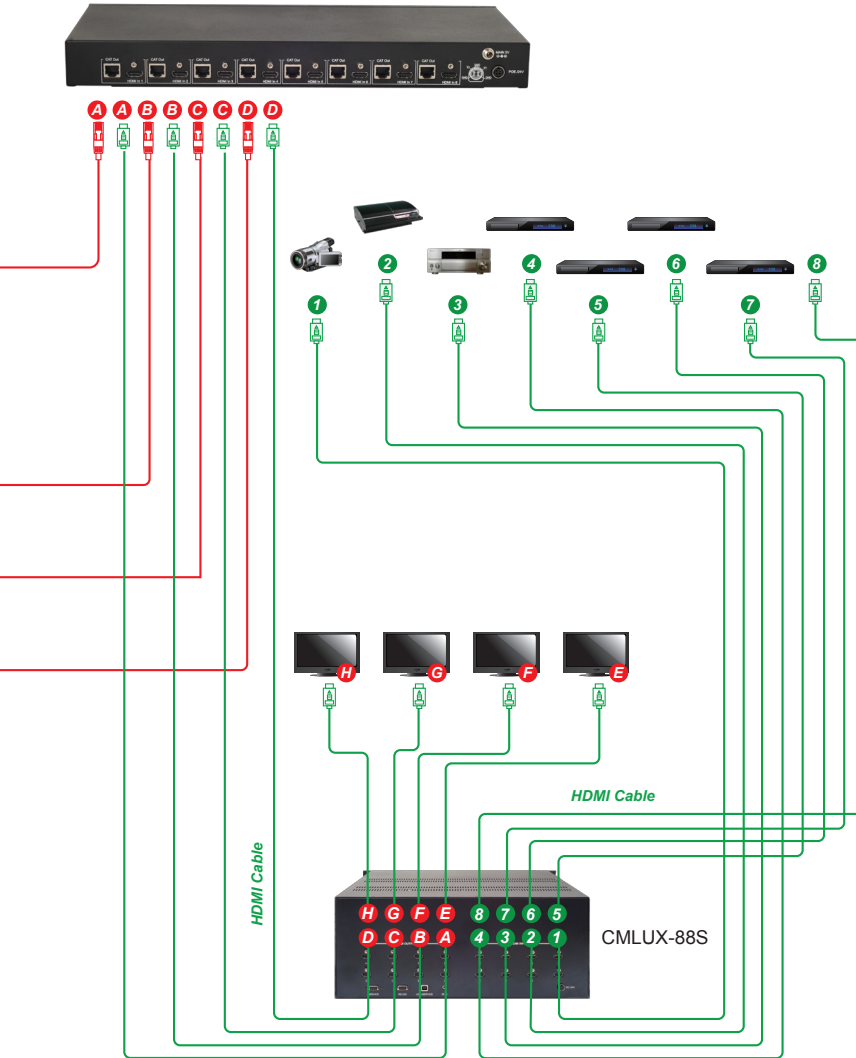
## 7. SPECIFICATIONS

<b>Maximum Pixel Rate</b>	6.75 Gbps (2.25 Gbps per clock) 225 MHz
<b>Input Ports</b>	8 x HDMI,
<b>Output Ports</b>	8 x CAT5e/6/7
<b>Input / Output Resolution</b>	VGA~WUXGA, 480i~1080p
<b>ESD Protection</b>	Human body model: ± 8kV (Air-gap discharge) ± 4kV (Contact discharge)
<b>Power Supply</b>	24V/6.25A DC (US/EU standards, CE/ FCC/UL certified)
<b>Dimensions (mm)</b>	432(W) x 181(D) x 50(H)
<b>Weight(g)</b>	2000
<b>Chassis Material</b>	Metal
<b>Silkscreen Color</b>	Black
<b>Operating Temperature</b>	0°C ~ 40°C / 32°F ~ 104°F
<b>Storage Temperature</b>	-20°C ~ 60°C / -4°F ~ 140°F
<b>Relative Humidity</b>	20 ~ 90% RH (non-condensing)
<b>Power Consumption(W)</b>	90 (include RX)

## 8. CONNECTION AND INSTALLATION



CSI-8H8CVTX







## 9. ACRONYMS

ACRONYM	COMPLETE TERM
DTS	Digital Theater System
HDCP	High-bandwidth Digital Content Protection
HDMI	High-Definition Multimedia Interface
HDTV	High-Definition Television
LCM	Liquid Crystal Monitor



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