



高霖通訊科技有限公司  
Go-Link Technology Co., Ltd.

產品規格/承認書  
PRODUCT SPECIFICATION / APPROVAL SHEET

產 品

Product : H.264 Extender + RS232 over Ethernet Transmitter

型 號

Model No. : GLTF-HT3001R2

客 戶

Customer :

客戶型號

Customer Model No. :

|              |            |  |  |
|--------------|------------|--|--|
|              |            | 本承認書內容若貴公司確認無誤，<br>請於下方承認欄內簽章。<br><b>Please confirm your acceptance of this<br/>approval sheet by authorized signatures.</b> |  |
|              |            | 承認欄<br>Approved Signature  |  |
| 版本 (Version) | V1.1       |  |  |
| 日期 (Date)    | 2017/07/19 |  |  |

# H.264 Extender + RS232 over Ethernet Transmitter

## Features

- ▶ Flexible and scalable HDMI 1080p High Quality Video Broadcasting with Ethernet LAN.
- ▶ Extends 1080p HDMI signals up to 150m/500ft. over a single UTP Cat5e/6 cable.
- ▶ Multicasting and broadcasting architecture, adding more displays without adding LAN bandwidth loading. Compatible with video player S/W likes VLC, etc.
- ▶ Support Point-to-Point, Point-to-Many and Many-to-Many network configuration.
- ▶ With Universal IR Remote Control function ( 30KHz ~ 60KHz )
- ▶ Built-in 3 bits DIP switch for RS232 Baud rate setting

## ◆ Specifications

| System                                       |  |
|--|--|
| <b>Protocol</b>                              | IP, TCP, UDP, RTP, RTCP, IPv4, DHCP, HTTP, IGMP, ICMP, MULTICAST, UNICAST  |
| <b>Ethernet</b>                              | 10 BASE-T/100 BASE-TX RJ45 with 1 LEDs for status indicate.  |
| <b>Video Encoding and Decoding Protocols</b> | H.264 Baseline / Main / High profile level 4.2   |
| <b>Streaming Bit Rate</b>                    | Up to 12Mbps   |
| <b>HDMI Format</b>                           | 1080p 50 / 60 , 1080i 50 / 60 , 1080p 25 / 30 ,<br>720p 50 / 60 ,480p 50 / 60 , 480i 50 / 60<br>Support HDMI 1.4a and w/ or w/o HDCP |
| <b>ID Setting</b>                            | BIT 1 ~ 4 of 8 BIT DIP Switch ( see Table 1 )  |
| <b>RS232 Baud Rate Setting</b>               | BIT 5 ~ 7 of 8 BIT DIP Switch ( see Table 2 )  |
| <b>Unicast / Multicast Setting</b>           | BIT 8 of 8 BIT DIP Switch ( see Fig.1 )  |
| <b>IR Remote Control</b>                     | With Universal IR Remote Control function ( 30KHz ~ 60KHz )  |
| <b>HDMI Connector</b>                        | HDMI IN x 1<br>HDMI OUT x 1 → Loop thru function   |

| Parameter                          | Min. | Typ. | Max. | Unit |
|------------------------------------|------|------|------|------|
| <b>Electrical Section</b>          |      |      |      |      |
| Supply Voltage                     |      | 12V  |      | V    |
| Supply current in TX mode          |      |      | 350  | mA   |
| Latency time                       |      | <180 |      | ms   |
| <b>Environmental Specification</b> |      |      |      |      |
| Operating Temperature              | 0    | ~    | +55  | °C   |
| Storage Temperature                | -20  | ~    | +70  | °C   |

Table 1 : ID Setting

| ID Setting |     |     |     |    |
|------------|-----|-----|-----|----|
| 8 BIT SW.  |     |     |     | ID |
| 1          | 2   | 3   | 4   |    |
| OFF        | OFF | OFF | OFF | 0  |
| OFF        | OFF | OFF | ON  | 1  |
| OFF        | OFF | ON  | OFF | 2  |
| OFF        | OFF | ON  | ON  | 3  |
| OFF        | ON  | OFF | OFF | 4  |
| OFF        | ON  | OFF | ON  | 5  |
| OFF        | ON  | ON  | OFF | 6  |
| OFF        | ON  | ON  | ON  | 7  |
| ON         | OFF | OFF | OFF | 8  |
| ON         | OFF | OFF | ON  | 9  |
| ON         | OFF | ON  | OFF | 10 |
| ON         | OFF | ON  | ON  | 11 |
| ON         | ON  | OFF | OFF | 12 |
| ON         | ON  | OFF | ON  | 13 |
| ON         | ON  | ON  | OFF | 14 |
| ON         | ON  | ON  | ON  | 15 |

Table 2 : Baud Rate Setting

| Baud Rate Setting    |           |     |     |
|----------------------|-----------|-----|-----|
| Baud rate<br>( bps ) | 8 BIT SW. |     |     |
|                      | 5         | 6   | 7   |
| 1200                 | OFF       | OFF | OFF |
| 2400                 | OFF       | OFF | ON  |
| 4800                 | OFF       | ON  | OFF |
| 9600                 | OFF       | ON  | ON  |
| 19200                | ON        | OFF | OFF |
| 38400                | ON        | OFF | ON  |
| 57600                | ON        | ON  | OFF |
| 115200               | ON        | ON  | ON  |

Fig. 1 :

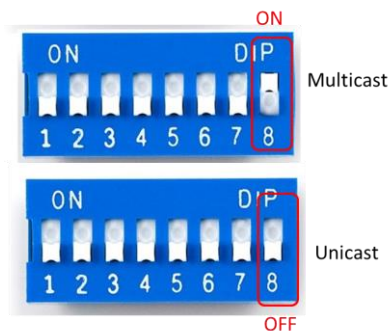
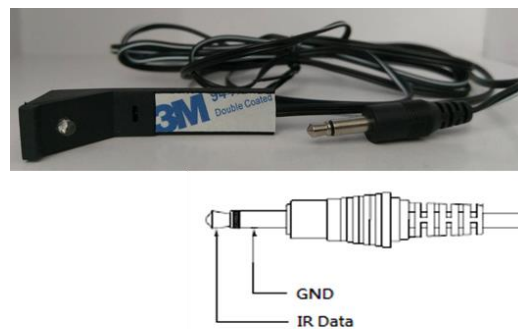
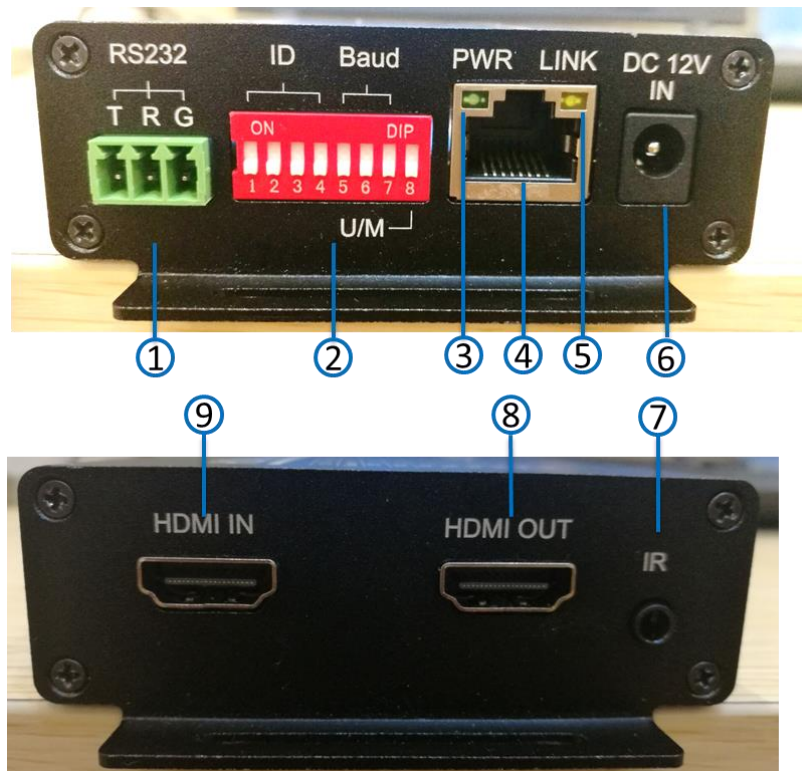


Fig. 2 :



## ◆ User Interface



| No. | Name              | Function Description   |
|-----|-------------------|--|
| 1   | RS232             | RS232 Jack   |
| 2   | ID / Baud / U / M | BIT 1 ~ 4 : ID setting<br>BIT 5 ~ 7 : Baud Rate setting<br>BIT 8 : Unicast / Multicast setting |
| 3   | PWR LED           | Power / IR Data LED  |
| 4   | RJ45 connector    | LAN Port 10/100 Base   |
| 5   | LINK LED          | Link Status LED  |
| 6   | DC 12V IN         | DC Power 12V IN  |
| 7   | IR                | IR Blaster Cable Jack ( see Fig.2 )  |
| 8   | HDMI OUT          | HDMI output connector  |
| 9   | HDMI IN           | HDMI input connector   |

### ◆ Mechanical Dimension

