**200m H DMI/VGA Extender Converter

User Manual V1.0**

**Special Notification**

Before using this product, please read this manual carefully. Please keep this manual for future reference.

The company may change the fuction of product without notice.

**Overview**

Using a single CAT5e/6 UTP cable, this transmitter can extend HDMI signal up to 200 meters, supports HDMI/VGA loop out, 3.5mm audio extraction on both TX and RX sides. Compliance with standard TCP/IP protocol, supports one sender to multi receivers via switch. With remark­able ability of video processing and transmission, this device makes signal more smooth and stable, it is a cost-effective long distance HDMI signal extend method.

**Features**

* Standard TCP/IP protocol, TX to multi RX;
* Max resolution 1080P @60Hz;
* Local unit has HDMI/VGA loop out, analog audio extraction;
* Remote unit has both HDMI/VGA outputs, and audio;
* Built-in ESD protection circuit;
* Max2.00m.TX to RX;
* Built'-in PoE (optional).

Tips: suggest to be used with good quality CAT5e/6 UTP cable.

( To prevail in kind )

**I/O Description**

TX

RX

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|  **,-,-,**  **V. HMI** |

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C)HDMI: HDMI signal input © VGA: VGA signal output

© HDMI: HDMI signal output

® LAN OUT: RJ45 port for connecting to CAT5e/6 UTP cable © DC IN: power in (12V DC adapter)

©Ground line

© Power: power on indicator

03.5mm PC audio jack (analog audio output)

**Connection Diagram**

1. TX to RX: using single CAT6 UTP cable max 200m

2. TX to Multi RX: via switch

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**412**

1080P UP TG2091:rh OF 16CA621 auul

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STANDARD LENGTH HOW CABLE

HDMI source

1080P UP TO 100m OF **Switch/Router**

CAT6 **CARL (G AWG)**

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|  | 1080P UP TO 100m OFCATE CABLEC29 AVM)-) |  |
|  |  |  |  |  |  |
|  |  |  | 1080P UP TO 10Dm OFCps **wasp *ANC)***  |  |
|  |  |  |  |
| RawluaYr |  |  | 1080P UP TO 100m OF
CATO CAOLV23 ***.1000S***  |  |  |

**Specifications**

Input Video Resolution 60Hz, 720x480, 800x600, 1024x768,

1280x720, 1280x1024, 1366x768, 1440x900, 1600x900, 1600x1200, 1680x1050, 1920x1080

Output Video Resolution - 60Hz, 720P, 1080P

Transmission protocol -TCP/IP

Max transmission bandwidth 225MHz

Max transmission rate 6.75 Gbps (2.5 Gbps per color)

Max transmission distance —TX to RX 200m

Max video cable length < 10m @ 1080P

AV input HDMI signal

AV **output** HDMI/VGA/audio

Stereo analog 3.5mm audio jack

VGA port VGA-F

Max working currency 450MA

Power adapter spec ---DC 12V/1A

POE- 802.3af (optional)

Working Temperature 5-40°C

Working Humidity range 5-85%RH (none-condensation)

TX dimension- 140x74.5x25(mm)

TX weight 260g

RX dimension 140x74.5x25(m m)

RX weight --260g

**Packing List**

|  |  |  |  |
| --- | --- | --- | --- |
| **NO.** | **Name** | **Qty** | **Remark** |
| 1 | 200m HDM I/VGA extender(TX *&* RX) | 1SET |  |
| 2 | Power adapter | 2PC |  |
| 3 | User manual \_ |  1PC |  |

**The matters needing attention of installation**

In order to ensure the reliable performance of the equipment and the safety of the user, please observe the following matters during the process of installation, use and maintenance.

* Please do not use this product in the following places: the place of dust, soot and electric conductivity dust, corrosive gas, combustible gas; the place exposed to high temperature, condensation,wind and rain; the occasion of vibration and impact. Electric shock, fire, wrong operation can lead to damage and deterioration to the product, either;
* Should avoid wiring and inserting cable plug in charged state, otherwise it is easy to cause the shock, or electrical damage;
* The installation and wiring should be strong andreliable, contact undesirable may lead to false action;
* This product grounds by the grounding wires. To avoid electric shocks, grounding wires and the earth must be linked together. Before the connection of input or output terminal, please make sure this product is correctly grounded;
* Only after cutting down all external power source, can install, wiring operation begin, or it may cause electric shock or equipment damage;
* Please do not dismantle the equipment, avoid damaging the internal electrical component.