

HDMI Repeaters

ID# 429



Operation Manual

Introduction

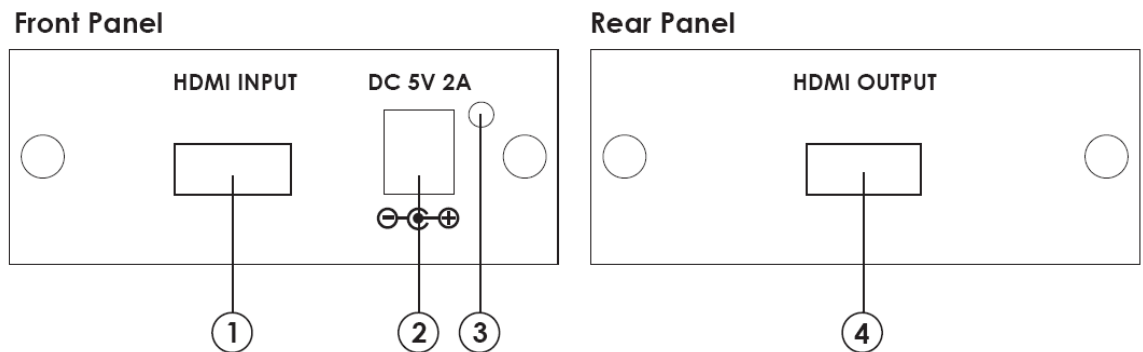
The HDMI Repeaters regenerates the HDCP-HDMI source signal and extends the length of HDMI transmission over a copper based HDMI cable by 12 meters at 1080p/UXGA.

Features

- * It regenerates the incoming HDMI signal by decoding and re-encoding it to a new standard HDMI signal so it can extend the transmission range without degradation.
- Extends 1080p/UXGA up to 12 meter transmission distance(lower resolution signal can be transmitted longer).
- * HDCP 1.1 compliant.
- * Plug and play, easy to install.

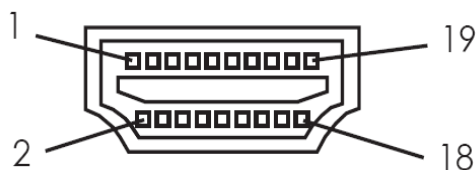
Operating Functions and Controls

Front Panel



- 1. HDMI input connector:** Connect to the output of your HDMI source equipment.
- 2. Power input:** Connect the supplied DC 5V power supply into this unit.
- 3. Power LED:** The LED will illuminate when the power is connected.
- 4. HDMI output connector:** Connect to the input of your HDMI display.

HDMI Connector Pin Assignment



Pin#	Function Assignment	Pin#	Function Assignment
1	TMDs Data2+	2	TMDs Data2 Shield
3	TMDs Data2-	4	TMDs Data1+
5	TMDs Data1 Shield	6	TMDs Data1-
7	TMDs Data0+	8	TMDs Data0 Shield
9	TMDs Data0-	10	TMDs Clock+
11	TMDs Clock Shield	12	TMDs Clock-
13	CEC	14	Reserved (N.C. on device)
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

Specifications

- * **HDMI is compliant with HDMI 1.2**
 - * **HDMI HDCP is compliant with HDCP 1.1**
 - * **Downward compatible with DVI 1.0 and HDCP 1.0**
 - * **Operation frequency** : up to 165MHz
 - * **HDMI data rate**: 1.6G bps(Single link)
 - * **Input/Output resolution** :
 - PC** : VGA@60Hz、VGA@72Hz、VGA@75Hz、VGA@85Hz
 - SVGA@60Hz、SVGA@72Hz、SVGA@75Hz、SVGA@85Hz
 - XGA@60Hz、XGA@70Hz、XGA@75Hz、XGA@85Hz、
 - XGAi@87Hz、SXGA@60Hz、SXGA@75Hz、SXGA@85Hz、
 - UXGA@60Hz、1152@70Hz、1152@75Hz、1152@85Hz
 - HD** : 480i@60Hz、576i@50Hz、480p@60Hz、576p@50Hz、
 - 720p@60Hz、720p@50Hz、1080i@60Hz、1080i@50Hz、
 - 1080p@60Hz、1080p@50Hz、1080p@30Hz、1080p@25Hz、
 - 1080p@24 Hz
 - * **Cable Distance Support** : Over 12m with twisted-pair
 - * **Dimensions (WxHxD)** : 76 x 30 x 105mm
 - * **Power** : 5V 2A Center- positive
- Note: Different cable quality may affect- the maximum resolution and transmission distance.**

Connection and Installation

