

# ***HDMI Repeaters***

***The CP-263H 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.***

## ***Operation Manual***

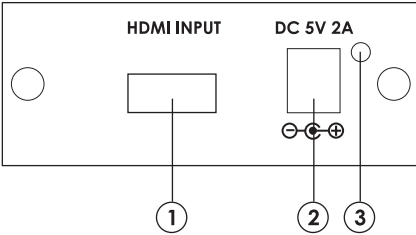


# Features

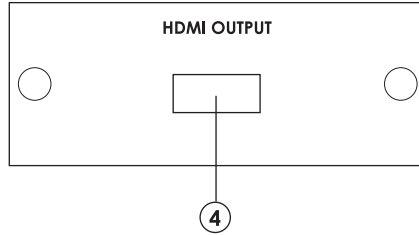
- \* It regenerates the incoming HDMI signal by decoding and re-encoding it to a new standard HDMI signal so it can extend the transmission range without degradation.
- \* Extends 1080p/UXGA up to 12 meter transmission distance (lower resolution signal can be transmitted longer).
- \* HDCP 1.1 compliant.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

# Operation Controls and Functions

Front Panel

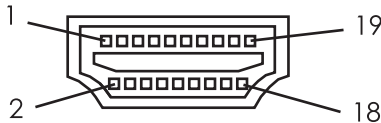


Rear Panel



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

