

DVI Repeater

The CP-263D boosts DVI source signal and extends the range of DVI signal transmission over a copper based cable by 12 meters at 1080p/UXGA.

It can also be cascaded in multiple stages to achieve maximum transmission distance.

Operation Manual

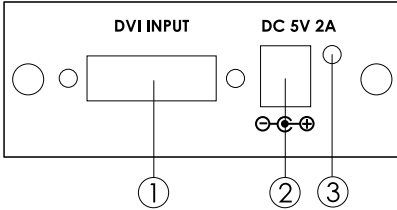


Features

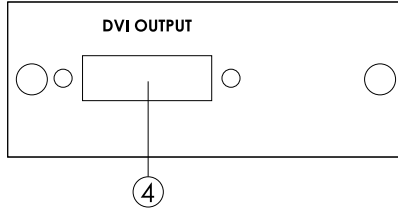
- * Correct signal error and boost signal strength for extending transmission range.
- * Extends 1080p/UXGA up to 12 meters transmission distance.
(lower resolution signal can be transmitted longer)
- * DDC pass through.
- * HDCP compliant.

Operation Controls and Functions

Front Panel



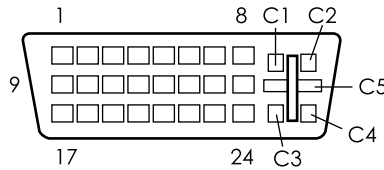
Rear Panel



- 1. DVI input connector:** It accepts only DVI-D signal from DVI sources, such as PC with DVI graphic card or DVD player with DVI output, analog RGB signal is not supported.
- 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. DVI output connector:** Connect to the DVI input of PC monitor, projector, LCD or PDP display unit.

DVI-D Pin Configuration

DVI-Digital(DVI-D): Supports digital-only connections between the host computer and display. This interface is designed for A 12 or 24-pin connection to enable single or dual-link mode activation.



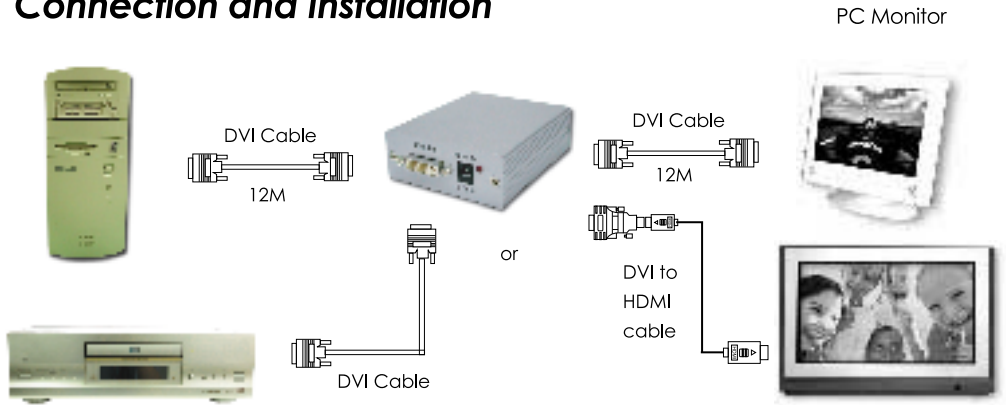
Digital only connector pin assignments

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S Data2-	9	T.M.D.S Data1-	17	T.M.D.S Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2 Shield	11	T.M.D.S. Data1 Shield	19	T.M.D.S. Data0 Shield
4	N.C.	12	N.C.	20	N.C.
5	N.C.	13	N.C.	21	N.C.
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (for +5V)	23	T.M.D.S. Clock+
8	No Connect	16	Hot Plug Detect	24	T.M.D.S. Clock-
C1	N.C.	C2	N.C.	C3	N.C.
C4	N.C.	C5	N.C.		

Specifications

- * Compliant with DVI Rev1.0
 - * HDCP 1.1 compliant
 - * Downward compatible to HDCP 1.0
 - * Operation frequency : up to 165MHz
 - * DVI data rate: 1.65Gbps (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、
XGA@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@24Hz
- * Cable Distance Support : 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



Note: DVI repeater can be cascaded in multiple tiers.