

CATx DVI-D Extender with EDID



Figure 5. Remote unit rear view:
Power LED, CAT5 port.

4. Wiring Information and Coding

Table 2. RJ-45 pinning and color coding.

Conductor Identification	RJ-45 Pin Assignment	Color Code for Conductor
Pair 1	5/4	White-Blue/Blue
Pair 2	1/2	White-Orange/Orange
Pair 3	3/6	White-Green/Green
Pair 4	7/8	White-Brown/Brown

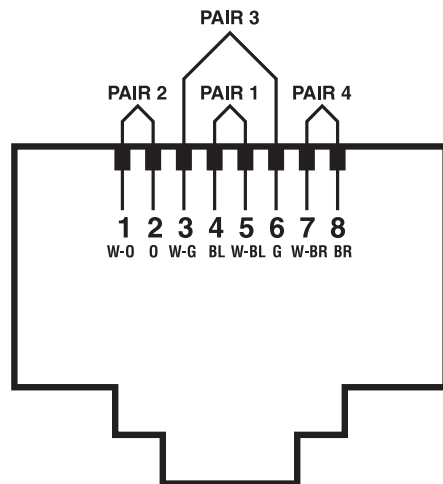


Figure 6. Jack positions.

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ACS2001A-R3

CATx DVI-D Extender with EDID

Extends the video signal of a DVI-D device up to 164 feet (50 meters) over CATx cable.



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ACS2001A-R3, rev. 1

1. Specifications

Cable Distance (Maximum) — 98.4 ft. (30 m)
at 1600 x 1200 at 60 Hz;
164 ft. (50 m) at 1280 X 1024 at 60 Hz

Connectors — Input: Local unit: (1) DVI F;
Remote unit: (1) RJ-45;
Output: Local unit: (1) RJ-45;
Remote unit: (1) DVI F

Power — (2) DC 5-V 1-A adapters (included)

Size — 1.5"H x 2"W x 2.6"D (3.8 x 5.2 x 6.7 cm)

Weight — 0.3 lb. (0.1 kg)

2. Overview

The CATx DVI-D Extender with EDID extends the video signal of a DVI-D device up to 50 meters over CATx cable. In addition, the local unit reads and remembers your monitor's EDID. Simply push the "EDID COPY" button.

This DVI extender is perfect for data centers, help desks, and test bench facilities.

3. Installation

1. Turn off the PC and monitor.
2. Plug one 5-V power supply into the local unit and one into the remote unit.
3. Turn on the monitor and connect it to the "DVI in" port on the local unit using a DVI cable.
4. Push the EDID COPY button. The EDID read/write is complete after the LED flashes three times.
5. Remove the monitor cable from the local unit and connect it to the "DVI out" port on the remote unit.
6. Connect the local unit to the DVI source.
7. Connect the CATx cable between the local unit's CATx port and the remote unit's CATx port.
8. Turn on the PC.

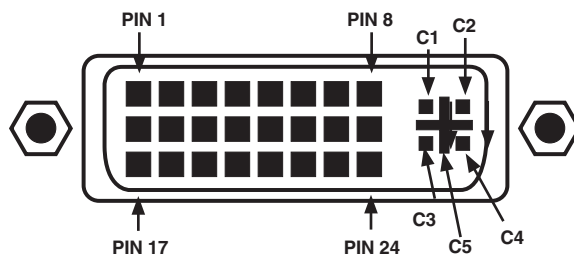


Figure 1. DVI-D connector pinning.

Table 1. Input/output signals.

Pin #	Signal	Pin #	Signal
1	TMDS Data 2-	16	Hot Plug Detect
2	TMDS Data 2+	17	TMDS Data 0-
3	TMDS Data 2/4 Shield	18	TMDS Data 0+
4	TMDS Data 4-	19	TMDS Data 0/5 Shield
5	TMDS Data 4+	20	TMDS Data 5-
6	DDC Clock	21	TMDS Data 5+
7	DDC Data	22	TMDS Clock Shield
8	Analog Vertical Sync	23	TMDS Clock+
9	TMDS Data 1-	24	TMDS Clock-
10	TMDS Data 1+	—	—
11	TMDS Data 1/3	C1	Analog Red
12	TMDS Data 3-	C2	Analog Green
13	TMDS Data 3+	C3	Analog Blue
14	+5 V Power	C4	Analog Horizontal Sync
15	Ground	C5	Analog Ground

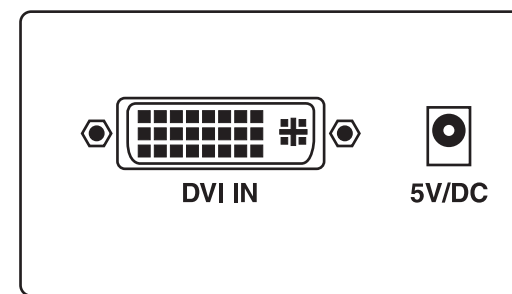


Figure 2. Local unit front view: DVI In port, power jack.

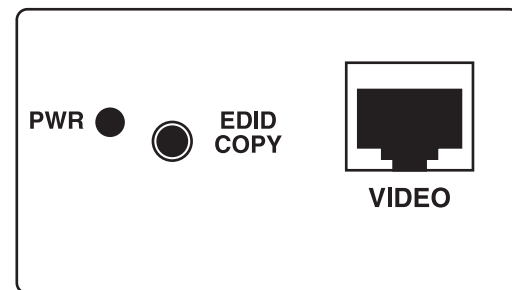


Figure 3. Local unit rear view: Power LED, EDID COPY button, CAT5 port.

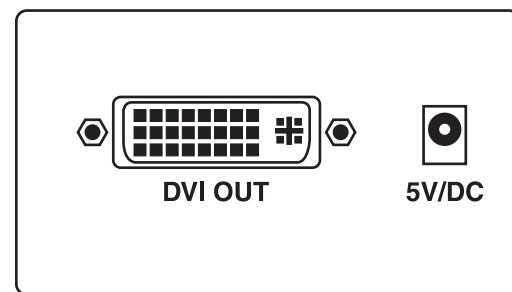


Figure 4. Remote unit front view: DVI Out port, power jack.