

1 input 2 output DVI & Audio CAT5 Extender

ITEM NO.: DE01

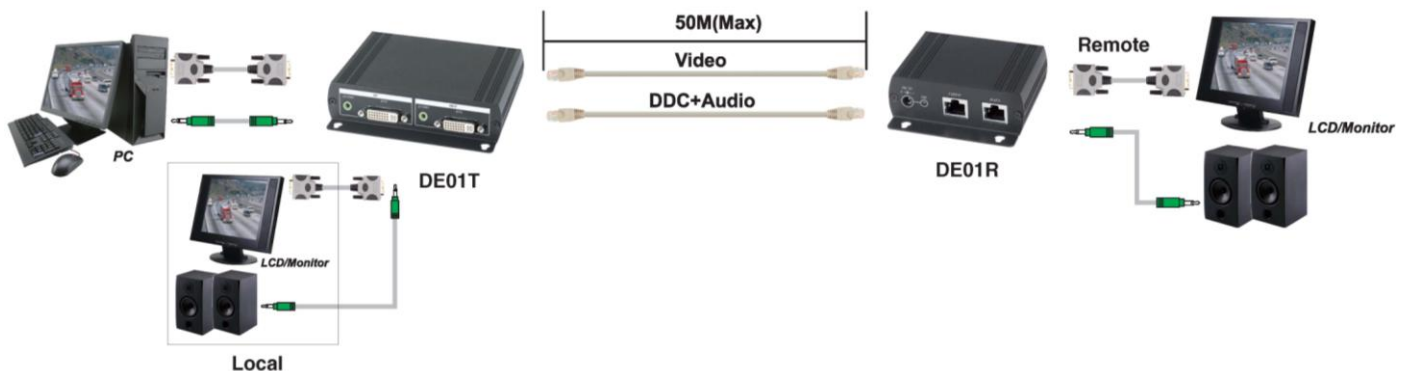
Our Smart DE01 DVI CAT5 Extender with audio function is using two CAT5E/6 cables to extend your DVI display up to 50 meters from your HDTV DVI or HDMI source. DVI transmitter with 2 output, one is DVI loop output and the other is RJ45 CAT5 cable output for remote display. Under non-HDCP operation mode, the application could be 1 input to 2 output distribution. Both of output built in signal boost function, the working resolution up to 1920 x 1200.



DE01 1 input 2 output DVI & Audio CAT5 Extender

- Extends any DVI compliant device over two CAT5E/6 cables. One CAT5E cable to send DVI video signal, the other one send DDC and audio signal.
- Extend the transmission distance up to 50 meters at 1920 x 1200.
- Extend the transmission distance up to 70 meters at 1024 x 768.
- Support analog stereo audio: 20Hz – 20KHz.
- Dual output: 1 x DVI loop output for local, plus 1 x CAT5 RJ45 output for remote side.
- Built in equalization and signal boost function.
- High quality digital video over CAT5e without any signal loss.
- Support DDC, EDID and hot plug detection.

Installation View:

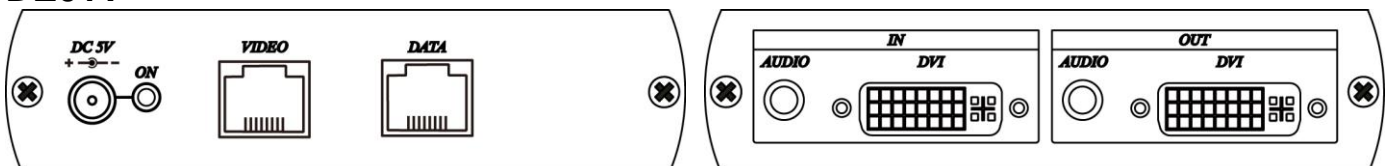


EDID Instruction:

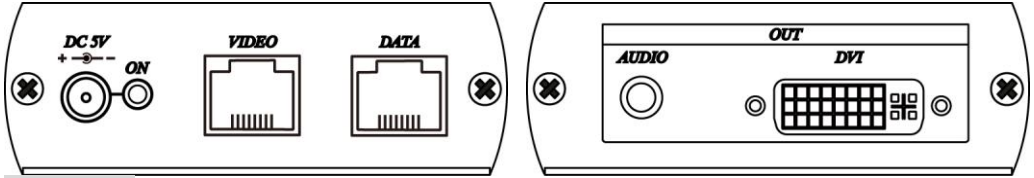
1. Make sure to connect all equipments before sending power; then power on, the DE01T will copy EDID from the local output monitor for source. It will take around 10 seconds to complete.
2. If local output does not connect any monitor, it will auto copy EDID from remote monitor.
3. If the monitor not connected, it will use the default EDID.

Panel View:

DE01T



DE01R



Cable:

Video Link cable using high quality CAT5E UTP or CAT6 UTP cable,

Data Link cable using CAT5E UTP/STP or CAT6 UTP cable,

It is not high speed signal transmission, so using regular CAT5E UTP cable will be ok.

RJ45 pin Define:

Video Link (TIA/EIA-568-B)

Data Link (TIA/EIA-568-B)

	RJ45 JACK			
	PIN	Color	VIDEO LINK CABLE	DATA LINK CABLE
	1	W-O	TMDS DATA2 +	Audio L +
	2	O	TMDS DATA2 -	Audio L -
	3	W-G	TMDS CLOCK +	Audio R +
	4	BL	TMDS DATA1 +	GND
	5	W-BL	TMDS DATA1 -	HPD
	6	G	TMDS CLOCK -	Audio R -
	7	W-BR	TMDS DATA0 +	SCL
	8	BR	TMDS DATA0 -	SDA

Caution:

The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

Installation view:

ITEM NO.	DE01T	DE01R
Video Amplifier Bandwidth	2.25 Gpbs	
Resolution	Up to 1920 x 1200	
Link Cable Distance	CAT.5e 50M@1920 x 1080 · 60Hz	
DVI Cable Distance	28 AWG DVI Cables 6M @1920 x 1080 · 60Hz	
DVI Connector	DVI-I x 2 (29 Pin) Digital Only	DVI-I x 1 (29 Pin) Digital Only
Stereo Audio Connector	3.5mm Phone Jack x 2	3.5mm Phone Jack x 1
Link Connector	RJ45 x 2	RJ45 x 2
Power Supply	5V DC 2Amp Regulated (External)	
Power Consumption	1200mA (Max)	350mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
Dimensions	mm	
	125 x 110 x 30	88 x 95 x30
Weight	g	
	310	200