DVI-102DA

DVI distributor

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Product overview

The DVI-102DA distributor can transmit 1 DVI signal source image to a remote terminal digital display device with two-way DVI/H DMI interface.
In the DVII.0 standard, the highest signal transmission rate up to 1.65Gbps; in the HDMI L.3 standard, intermediate signal transmission rate up to 2.25Gbps. Support cascading application, it can combine with matrix DVI to establish a set of HDMI matrix system, or a DVI matrix system supporting HDCP.

Features

- Supported resolution
  NormalPC: 1600x1200@60Hz, HDCP: 1920x1200@60Hz_24bit,
  HDTV: 1920x1080@60Hz_36bit
- Support DVI I.0 HDMI protocol, L.3 protocol, HDCPI.3 protocol.
- With EDID read and write, power-down memory functions.
- Support 1 DVI-D (HDMI, need the adapter) female terminal input.
- Support 2 DVI-D (HDMI, need the adapter) female terminal output.
- The DVI/HDMI signal input transmission distance up to 20 meters.
- DVI signal output transmission distance up to 7 meters.
- HDMI signal output transmission distance up to 10 meters.
- Input supports plug-and-play function of Windows system.
- DC 12V power adapter, with power indicator lamp.

Specifications

The parameter name		DVI-102DA
HDMI video input	Supported protocols	HDMI1.3a, DVI1.0, HDCP1.3, x.v.Color, TrueHD, DTS-HD
	PIXEL bandwidth	165MHz, Full digital
	Interface bandwidth	2.25Gbps
	Maximum supported resolution	NomalPC:1600x1200@60_24bit HDPC:1920x1200@60_24bit HDTV :1920x1080P@60_24bitColor depth
	Clock jitter	<0.15 Tbit
	Rise time	<0.3Tbit (20%--80%)
	Fall time	<0.3Tbit (20%--80%)
	Signal type	HDMI / DVI-D full digital T.M.D.S signal in HDMI 1.3A / DVI I.0 specification
	Interface	HDMI-A interface (Type A connector) (Requires optional interface converter)

Specifications

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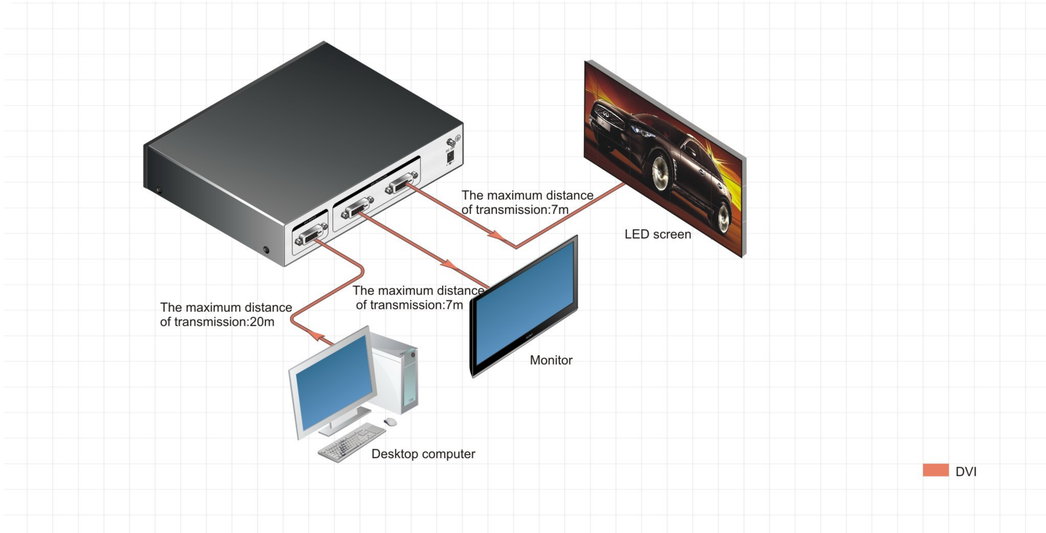
HDMI video input	Signal strength	T.M.D.S. +/- 0.4Vpp
	Minimum / maximum level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	Input EDID	Using the default EDID, (support terminal EDID mapping to input)
	Maximum DC offset error	15mV
	The recommended maximum input distance	No more than 10 meters, in the 1920x1080p@60 (recommended the use of certified HDMI special wire, as Molex TM wire)
HDMI video output	Interface	HDMI-A interface (Tvpe A connector) (Requires optional interface converter)
	Minimum / maximum level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	The recommended maximum output distance	Less than 10 meters, in the 1920x1080p@60 (recommended the use of certified HDMI special wire, as Molex TM wire)
DVI video output	Interface	DVI-D Dual Link interface
	Minimum / maximum level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	The recommended maximum output distance	Less than 7 meters, in the 1920x1080p@60 (recommended the use of certified HDMI special wire, as Molex TM wire)

System connection diagram