

PMAX-IN CVBS16 CVBS COMPONENT input card



Features

- 16 channels CVBS interface, 4 analog audio interfaces.
- Support 4 channels CVBS being integrated into 1 channel SD or HD output.
- Support hot-swap, and audio video signal synchronized switching.
- Support NTSC(M), PAL(B, D, G, H, I, M).

Specifications

The parameter name		PMAX-IN CVBS16
Connector	2 DB25 female interface (come with DB25 converting cable: RCA video female interface); 4 3.5mm audio jacket	
Video	Gain	0dB
	Bandwidth	150MHz @ -3dB
	Format	NTSC, PAL (480i/NTSC, 576i/PAL)
	Differential phase error	0.1°, 3.58-4.43 MHz
	Differential gain error time	0.1% , 3.58-4.43 MHz
	Switching speed	200 ns(Maximum time length)
	Signal formats	Composite video (CVBS), analog audio
	Min/Max level	Analog signal: -2V/+2V
	Impedance	75 Ω
	Return loss	<-30dB@5MHz
The product weight		About 0.5KG
Maximum power dissipation		15W

PMAX-OUT HDMI4 HDMI output card



Features

- Support 4 HDMI-A seamless output connectors; 4 3.5mm audio sockets.
- Support image splicing function.
- Maximum output distance is up to 7 meters.
- Support hot-swapping function; Support synchronized switching of audio and video signals; Support AUTO DELAY.
- Support EDID reading.
- Compatible with HDMI1.3a standards; HDCP1.3 protocol; and DVI1.0 protocol.
- Maximum supported resolution:
HDPC: 1920x1200P@60
HDTV: 1920x1080P@60.

Specifications

The parameter name		PMAX-OUT HDMI4
Protocol	HDMI1.3a, HDCP1.3, DVI1.0	
Video	Gain	0 dB
	Pixel bandwidth	165MHz, full digital
	Interface bandwidth	2.25Gbps, full digital (a total of 6.75Gbps, each color is 2.25Gbps)
	Maximum support resolution	HDPC: 1920x1200P@60, HDTV: 1920x1080P@60;
	Clock Jitter	<0.15 Tbit
	Rise time	<0.3Tbit (20%--80%)
	Fall time	<0.3Tbit (20%--80%)
	Maximum transmission delay	5nS(±1nS)
	Connector	4 HDMI-A female connector, 4 3.3mm audio socket
	Signal strength	T.M.D.S. +/- 0.4Vpp
	Minimum / maximum level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	EDID	N/A
	Maximum DC offset error	15mV
	Recommended maximum input/output distance	Output less than 7 meters (16000x1200@60), recommend use certified DVI
The product weight		About 0.5KG
Maximum power dissipation		15W

PMAX-OUT DVI4

DVI output card



Features

- 4 DVI-I female interfaces, 4 3.5mm audio sockets.
- Maximum output distance is up to 7 meters.
- Support hot-swapping function; Support synchronized switching of audio and video signals;
- Support analog audio output.
- Support EDID reading.
- Output is selectable between DVI and VGA.
- Support DVI1.0 protocol.
- Maximum resolutions supported:
HDPC: 1920x1200P@60,
HDTV: 1920x1080P@60.

Specifications

The parameter name		PMAX-OUT DVI4
Protocol	DVI1.0	
	Gain	0 dB
	Pixel bandwidth	165MHz, digital/analog(optional)
	Interface bandwidth	2.25Gbps full digital or 350MHz analog
	Maximum support resolution	HDPC: 1920x1200P@60, HDTV: 1920x1080P@60;
	Clock Jitter	<0.15 Tbit
	Rise time	<0.3Tbit (20%~80%)
	Fall time	<0.3Tbit (20%~80%)
	Maximum transmission delay	5nS(±1nS)
	Connector	4 DVI-I female connectors, 4 3.5mm audio socket
Video	Signal strength	T.M.D.S. +/- 0.4Vpp
	Minimum / maximum level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	EDID	N/A
	Maximum DC offset error	15mV
	Recommended maximum input/output distance	Output less than 7 meters(1600x1200@60), recommend use certified DVI special wire such as Molex TM wire.
	The product weight	About 0.5KG
	Maximum power dissipation	15W

PMAX-OUT HD4

H-CAT output card



Features

- 4 RJ45 Interfaces; 4 6-PIN phoenix interfaces.
- Maximum output transmission distance up to 100M via CAT5e/6 cable.
- Support hot-swapping function; Support synchronized switching of audio and video signals; Support AUTO DELAY.
- Support EDID reading.
- Compatible with H-CAT protocols.
- Maximum supported resolutions:
HDPC: 1920x1200P@60,
HDTV: 1920x1080P@60.

Specifications

The parameter name		PMAX-OUT HD4
Connector	4 high-speed RJ45 connectors and 4 6-pin phoenix sockets	
	Protocol	H-CAT protocol
	Pixel bandwidth	165MHz, full digital
	Interface bandwidth	2.25Gbps, full digital (a total of 6.75Gbps, each color is 2.25Gbps)
	Maximum support resolution	HDPC: 1920x1200P@60, HDTV: 1920x1080P@60;
	Signal type	High speed contrast signal defined in H-CAT protocol
	POC	With POC power supply function (+48V), when combined with CREATOR CAT5 series transmitters, PMAX-OUT HD4 card can supply power to other devices via a CAT 5e/6 cable. Pay attention to that this card can not be connected with the transmitter which is a POC power supply equipment.
	Impedance	50 Ω
	EDID	N/A
	Maximum DC offset error	15mV
Input/output of LINK connector	Recommended maximum input/output distance	Less than 100 meters (1600x1200@60), recommend use certified NEXANS CAT5e/6 wire
	The product weight	About 0.5KG
	Maximum power dissipation	22W