

UHD-IN DP4

Displayport inpur card



Function

- 4 DP connectors with 3.5mm audio sockets.
- Support hot-swapping function.
- Support input selection between analog audio and DP embedded audio signals.
- Compatible with DP1.1 standard.
- Maximally Supported Resolution : 4Kx2K@30HZ.

Specifications

Parameter name		UHD-IN DP4
Video	Protocol	DP1.1
	Gain	0 dB
	Pixel bandwidth	297MHz, full digital
	Interface bandwidth	4.5Gbps, full digital(a total of 13.5Gbps, each color is 4.5Gbps)
	Maximum support reolution	4Kx2K@30Hz
	Clock jitter	<0.15 Tbit
	Rise time	<0.3Tbit (20%--80%)
	Fall time	<0.3Tbit (20%--80%)
	Maximum transmission delay	5nS(±1nS)
	Connector	4 DP connectors, 4 3.5mm audio socket
	Signal strength	T.M.D.S. +/- 0.4Vpp
	Min/Max level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	EDID	Optional default EDID or read function
	Max DC offset error	15mV
	Recommended max input/output distance	Less than 7 meters, in the 3840x2160@30Hz(recommended use certified DP special wire, such as Molex wire)
The product weight		About 0.5KG
Max power dissipation		15W

UMAX-IN DVI4

DVI inpur card



Function

- 4 DVI-D connectors with 3.5mm audio sockets.
- Support hot-swapping function; Support synchronized switching of audio and video signals.
- Support analog audio and DVI video signals input.
- Support EDID reading.
- Support DVI1.0 protocols.
- Maximum supported resolutions: 1920x1200P@60.

Specifications

Parameter name		UMAX-IN DVI4
Video	Protocol	DVI1.0
	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 reolution	1920x1200P@60Hz
	Clock jitter	<0.15 Tbit
	Rise time	<0.3Tbit (20%--80%)
	Fall time	<0.3Tbit (20%--80%)
	Maximum transmission delay	5nS(±1nS)
	Connector	4 female DVI-D connectors, 4 3.5mm audio socket
	Signal strength	T.M.D.S. +/- 0.4Vpp
	Min/Max level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	EDID	Optional default EDID or read function
	Max DC offset error	15mV
	Recommended max input/output distance	Less than 35 meters, in the 1600x1200@60Hz(recommended use certified DVI special wire, such as Molex TM wire)
The product weight		About 0.5KG
Max power dissipation		15W

UMAX-IN VGA4

VGA input card



Function

- 4 DB15 female input connectors with 3.5mm audio sockets.
- Support input signal formats of VGA, CVBS, YPbPr at the same time, auto-detect of the signal source.
- Support hot-swapping function; Support synchronized switching of audio and video signals.
- Support analog audio input.
- Maximum input resolutions supported:
HDCP:1920x1080P@60Hz.
HDTV:1920x1080P@60Hz.

Specifications

Parameter name		UMAX-IN VGA4		
Video	Connector	Db15 connector, 3.5mm audio socket		
	Signal type	Composite video(CV)	Component video YPbPr	VGA video
	Gain	0dB	0dB	0dB
	Bandwidth	150MHz @ -3dB	350MHz @ -3dB	380 MH
	Differential phase error	0.1°,3.58 -4.43 MHZ	0.1°,3.58 -4.43 MHZ	—
	Differential phase gain error	0.1%,3.58 -4.43 MHZ	0.1%,3.58 -4.43 MHZ	—
	Signal strenth	1Vpp: Composite Video (CVBS)	1Vpp: (Y in YPbPr) 0.3 Vpp: (PbPr/CbCr in YPbPr)	0.63 Vpp ~0.9Vpp
	Min/Max Level	Analog signal: -2V/+2V	Analog signal: -2V/+2V	RGB signal: 0V/1.0V HV signal: 0V/5.0V
	Input impedance	75 Ω	75 Ω	75 Ω
	Return loss	<-30dB@ 5MHz	<-30dB@ 5MHz	<-30dB@ 5MHz
	The product weight	About 0.5KG		
	Max power dissipation	20W		

UMAX-IN SDI4

SDI input card



Function

- 4 BNC female input connectors; 4 BNC female connector loop-out.
- Support hot-swapping function.
- Support HD/3G SDI signals input.

Specifications

Parameter name		UMAX-IN SDI4
Video	Connector	4 BNC connectors, 4 BNC loop-out output
	Protocol	SMPTE 425M. SMPTE 424M. SMPTE 292M. SMPTE 259M-C
	Pixel bandwidth	2.970Gb/s,1.485Gb/s
	Max support resolution	1920x1080P@60Hz
	The product weight	About 0.5KG
	Max power dissipation	20W