

UHD-IN HDMI4

HDMI input card



Function

- 4 HDMI-A connectors with 3.5mm audio sockets.
- Support hot-swapping function; Support synchronized switching of audio and video signals; Support AUTO DELAY.
- Support input selection between analog audio and the HDMI embedded audio signals.
- Support EDID reading.
- Compatible with HDMI1.4a standards, HDCP1.4 protocols, and DVI1.0 protocols.
- Maximum supported resolution: 4Kx2K@30HZ.

Specifications

Parameter name		UHD-IN HDMI4
Video	Protocol	HDMI1.4a standard, HDCP1.4, DVI 1.0;
	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 resolution	4K*2K@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 HDMI-A connector, 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	Input less than 7 meters, in the 3840x2160@30Hz(recommended use certified HDMI special wire, such as Molex TX wire)
	The product weight	About 0.5KG
	Max power dissipation	15W

UHD-IN HD4

H-CAT input card



Function

- 4 RJ45 connectors.
- Maximum input transmission distance ups to 100M via a CAT5e/6 cable.
- Support hot-swapping function; Support synchronized switching of audio and video signals.
- Support serial port input, with the IO switching card, it can realize the serial port switching.
- Compatible with H-CAT protocols.
- Maximum resolutions supported: 4Kx2K@30HZ.

Specifications

Parameter name		UHD-IN HD4
Input/Output of LINK connector	Connector	4 high-speed RJ45 connectors
	Protocol	H-CAT protocol
	Pixel bandwidth	297MHz, full digital
	Interface bandwidth	4.5Gbps, full digital(a total of 13.5Gbps, each color is 4.5Gbps)
	Maximum support resolution	4K*2K@30HZ
	Signal type	High speed contrast signal defined in H-CAT protocol
	POC	With POC power supply function, when combined with Creator CAT5 series transmitters, UHD-IN HD4 card can supply power to the transmitters via a CAT 5e/6 cable.
	Impedance	50 Ω
	EDID	Optional default EDID or read function
	Max DC offset error	15mV
	Recommended max input/output distance	Less than 100 meters
	The product weight	About 0.5KG
	Max power dissipation	27W

UHD-IN SF4

Fiber input card



Function

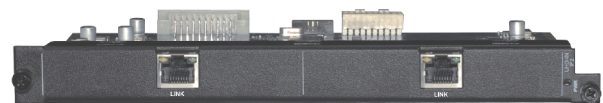
- 4 single-core fiber-optic input connectors.
- Support hot-swapping function.
- Maximum input signal transmission distance up to 1 kilometer (single-mode) with fiber-optic transmitters.
- Maximum resolutions supported: 4Kx2K@30HZ.

Specifications

Parameter name		UHD-IN SF4
Connector		4 high-speed single core LC fiber connectors
Video	Fiber connector	LC connector
	Fiber type	Multimode/Single mode(Optional)
	Wave length	Multimode 850nm/Single Mode: 1310~1620nm(Optional)
	Bandwidth	Positive: 10Gbps, Reserve: 3.125Gbps
	Clock jitter	<0.15 Tbit
	Rise time	<0.3Tbit (20%~80%)
	Fall time	<0.3Tbit (20%~80%)
	Recommended max input/output distance	Single mode fiber: 1 KM, when in 4Kx2K@30HZ
	Maximum support resolution	4Kx2K@30Hz
The product weight		About 0.5KG
Max power dissipation		20W

UHD-IN IP2

IP input card



Function

- 2 high speed RJ45 interfaces.
- Maximum 100 meters output distance with Cat5e/Cat6 cables.
- Support web login to set up network protocols, local network configurations, and remote network configurations, etc.
- Support receiving video from static IP address, and automatic searching network encoding devices.
- Support network protocols of onvif, RTP, RTSP, RTCP, TCP, and UDP, etc.
- Support G711a, G711u, G726, and ADPCM audio encoding.
- Support commonly used cameras from Hikvision, Dahua, and Huawei.
- Maximally Supported Resolution : 4Kx2K@30HZ.

Specifications

Parameter name		UHD-IN IP2
Network Protocol		Onvif, RTP, RTSP, RTCP, TCP, UDP
Video	Network interface bandwidth	100M
	Video compression	H.264 MainProfile/H.264 Baseline Profile /H.264 HighProfile
	Audio compression	G711a G711u G726 ADPCM
	Control protocol	Standard ONVIF
	Max transmission delay	100ms(depend on the encoding delay and network transmission dealy)
	IP parameters	Port 1 default IP: 192.168.1.100 Port 2 default IP: 192.168.1.200
	Fall time	<0.3Tbit (20%~80%)
	Recommended max input/output distance	100m
	Max resolution	4Kx2K@30Hz
The product weight		About 0.5KG
Max power dissipation		25W