DigiBird Technology Co., Ltd.

VWC2-M4 Video Wall Controller

Card Manual

M4 Series Control Card

Order Code: DB-VWC2-M4-CC

Introduction

The M4 series control card is the main part of VWC2 M4 for communicating with the host PC for configuration and operation. M4 series supports hot redundancy in 4U / 6U / 8U / 8U / 14U / 19U chassis. It has 2 control cards both cards connect to the LAN, the control card in the upper slot runs as primary by default. Swapping out the control card would not affect the current displaying on video wall.

Interface

- NET: RJ45 interface configuration or operation for connecting PC via CAT cable.
- RS232IN: Serial port for serial communication.
- RS232OUT: Loop out for the serial port, for cascading other devices.
- USB: Reserved for future.
- SYNC: Synchronization port for video signal synchronizing.

Indicator

1. NET port indicator: If the Green light at NET port is blinking it indicates the port is connected successfully, otherwise failure. While, the Yellow light blink indicates data switching is successful.
2. Status indicator:

1) M/S: Main & standby indicator light, If the light at primary card is on it indicates primary card is operating/activated, if light at primary card is off that means secondary card is operating/activated.
2) ALM: Alarm indicator light on indicates operation of failure.
3) RDY: Program status indicator, if light is on it indicates that the program has been loaded and if light is off it indicates the program is loading or there is some fault.
4) RUN: Activation indicator, if light is on it indicates that the card is activated, light off indicates failure or abnormal operation.

Parameters

Type		Description
Physical Connector	NET	
Performance	RS232	Loop in Baud Rate:9600; Loop out Baud Rate: 9600,38400,115200
		No Parity
		8 data bit
		1 stop bit
	Power	7.2W
	Temperature	0-50℃ (Running)-55～70℃(Store)
	Humidity	10%～80%(Running),10%～90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series Confidence Monitoring Card (CMC)

Order Code: DB-VWC2-M4-FC-CB

Introduction
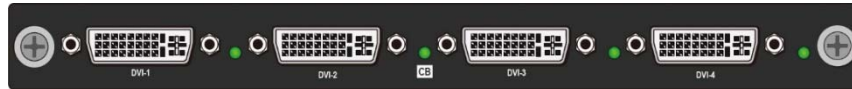
Contents on the video wall can remotely be monitored on a single monitor by CMC, which is convenient for operator to monitor and operate.

Feature

- Support to monitor up to 80x output signals per card.
- Support 4 groups video wall monitoring per card at a time.
- Support original aspect ratio and full screen mode. Frame and background color can be set by user.
- Output resolution supports up to 1920x1200@60Hz.
- DVI-I interface，VGA signal can be output by DVI-VGA adapter.

Parameters

Type		Description
Physical Connector		24+5 pin DVI-I interfcex4(Output VGA signal via adapter)
Performance	Output	Support to monitor 80x output signals per card 4x groups video wall monitoring per card.
	Mode	Original aspect ratio mode, full screen mode
	Output resolution	1920x1200@60Hz
	Power	40W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

Input Card

M4 Series 2 Channel 4K DP Input Card

Order Code:DB-VWC2-M4-IC-4KDP2

Introduction

M4 Series 2 channel 2K DP input card support resolution up to 3840x2160@30hz, automatically adapting of various resolutions, and optimization for output.

Feature

- Support DP 1.1 protocol up to 4K@30Hz signal.
- Backward compatible.
- Support for HDCP1.4 validation.
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- 2 channels per card.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type		Description
Physical Connector	DP port x 2	
Performance	Input Signal	DP 1.1(maximum data rate 2.7Gbps)
	Signal Level	$Vdiff_{P-P}$:130mV~1300mV
	Impedance	100Ω
	Max. Resolution	3840x2160@30hz
	Frame Rate	Max. 30 frames at 4K resolution
	Max Transmission Rate	10.8Gbps
	Input Channel	2
	Power	12.3W
	Temperature	0-50℃(Running),-55~70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series 2 Channel 4K Optical Fiber Input Card

Order Code: DB-VWC2-M4-IC-4KFIBER2

Introduction

M4 series 2-channel 4K optical fiber input card can receive video signals transmitted by optical fiber and convert them into electrical signals. 4 ports are divided into 2 groups, each group have 1 primary port (A) and 1 standby port (B), which enhances the system's reliability. Support resolution up to 3840x2160@30Hz and backward compatible.

Feature

- 2 primary input ports and 2 standby input ports per card.
- Max. Resolution 3840x2160@30Hz.
- Support the primary and standby function. Each group receives port A input signal by default. Switch to port B input signal automatically when A port has no input signal or input signal is abnormal.
- Support configure on site, plug and play, hot swappable.
- Support station logo.
- Show blue screen when no signal input.
- Support work with AVC-Link Transmitter.

Parameters

Type		Description
Physical Connector	LC x 4	
Performance	Max. Resolution	3840x2160
	Frame Rate	Max. 30Hz at 4K; Max. 60Hz at 1080P
	Max. Transmission Rate	6Gbps
	Power	20W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4 (d)x2.1(h)

M4 Series 2 Channel 4K HDBaseT Input Card

Order Code: DB-VWC2-M4-IC-4KHDBT2

Introduction

The M4 series 2-channel 4K HDBaseT input card can receive 2-channel 4K HDBaseT signal, which solves the inconvenience caused by short transmission distance of traditional DVI and other cables during installation. Needs to work with HDBaseT transmitter and also support POE output.

Feature

- 2x input per card.
- Max. Resolution 3840x2160@30Hz.
- POE output is supported. The default POE output voltage is 48V and the maximum is 57V.
- Backward compatible.
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type		Description
Physical Connector	RJ45 port x 2	
Performance	RJ45 Line Sequence	Standard 568A or 568B
	Connection way	RJ45 direct connection
	Transmission Distance	Max.100m(Cat 6 twist paired cable)
	Resolution	Max. 3840x2160@30Hz
	Power	21W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4 (d)x2.1(h)

M4 Series 2 Channel 4K HDMI Input Card

Order Code: DB-VWC2-M4-IC-4KHDMI2

Introduction

Support resolution up to 3840x2160@30Hz, automatically adapting various resolutions and optimization for output.

Feature

- Support HDMI 1.4 protocol, compatible with DVI 1.0 protocol also support 4K@30Hz signal.
- Support HDCP validation.
- Backward compatible.
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type	Description	
Physical Connector	HDMI Type A port x2	
Performance	Input Signal	HDMI 1.4/DVI 1.0
	Signal Level	$Vdiff_{P-P}$：150mV-1200mV
	Impedance	100Ω
	Max. Resolution	3840*2160
	Frame Rate	Max. 30 frames at 4K resolution
	Max Transmission Rate	9.0Gbps
	Input Channel	2
	Power	11.3W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series 2 Channel IP Decoding Card (H.265 4K)

Order Code: DB-VWC2-M4-IC-4KIPH2

Introduction

2 channel IP decoding card with RJ45 interface. Single card supports up to 4000x3000@25 or 3840x2160@ 30 decoding and display to 4K screen. This card support working signal indicator, IP address modification and firmware upgrade online.

RUN: Light flickering

LINK1: Light on

LINK2: Light on

Video Format

Supported video sources:

- Network CCTV camera.
- H.264/H.265/RTSP/RTP: Support manufacturers of network cameras such as Hikvision, Dahua, Axis, Santachi and so on.
- Security media service.
- Support Hikvision, Dahua full range of security device access.
- Encoding box, encoding card.
- Full range of Digibird's H.264/H.265 format encoding devices.

Decoding Capability

2 RJ45 ports per card, each card with 1x decoding channels. It can be independently set to diffidence working mode. Each channel in different modes of decoding in the form of:

1 view: Support up to 1 channel 4000x 3000@25 (or 3840x 2160@30) signal decoding. Single view output (Support output to 4K screen).

4 view: Support up to 4x channel 3840x 2160@30 signal decoding. Quad views output (Support output to 4 K screen).

9 view: Support up to 9x channel 1920 x 1080@30 signal decoding, 3x3 views output (Support output to 4 K screen).

16 view: Support up to 16x channel 1920 x 1080@30 signal decoding, 4x4 views output (Support output to 4 K screen).

Parameters

Type		Description
IP Address		Default IP:192.168.1.203
Physical Connector	RJ45 port x 2	10M/100M/1000M auto-adaption
Performance	Port Qty	2
	Power	27W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series 4 Channel AVCNet Decoding Card

Order Code: DB-VWC2-M4-IC-AVCN4

Introduction

M4 series 4-channel AVCNet decoding card supports up to 4-channel 1920x1200@60Hz decoding. It supports IP address modification and upgrade online through VWC2. With DigiBird special algorithm it can transmit video via network by lightweight compression, to achieve super performance in clear and synchronous video signal transmission.

Video Format

As the device using private algorithm, it needs to be used in cooperate with DigiBird AVCNet encoder or transmitter.

Decoding Capability

4 channels per card, each channel support up to 1920x1200@60 signal decoding

Parameters

Type		Description	
IP Address		Default IP:192.168.1.203	
Physical Connector	RJ45	1G auto-adaption	
Performance	Port Qty	4	
	Power	16W	
	Temperature	0-50℃(Running),-55～70℃(Store)	
	Humidity	10%～80%(Running),10%～90%(Store)	
Appearance	Card Type	Blade	
	N.W.	0.3Kg	
	Dimension(cm)	20.3(l)x22.4(d)x2(h)	

M4 Series 16 Channel CVBS Input Card

Order Code: DB-VWC2-M4-IC-CVBS16

Introduction

16 channel CVBS input card is able to convert composite video signal to digital signal. Supports NTSC/PAL.

Feature

- Support NTSC\PAL\SECAM auto-adaption (NTSC and PAL are not supported at the same time).
- Support quad view and single view mode.
- Supports 16 video signal input.
- Support signal source cropping.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type		Description
Physical Connector		DB15 Port x2(can be converted to 8x BNC)
Performance	Video Format	NTSC/PAL/SECAM
	Signal Level	1Vp-p
	Impedance	75Ω
	Resolution	720x480(NTSC) 720x576(PAL)
	Input Channel	16
	Power	20W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%～80%(Running),10%～90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

Transmission cable

DB15 port needs to be connected to the 8x BNC and then connected to the CVBS.

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M4 Series 16 Channel CVBS Network Input Card

Order Code: DB-VWC2-M4-IC-CVBS16IP1

Introduction

16 channel CVBS input card is able to convert composite video signal to digital signal then transfer it to processor. Support encode input video signal with H.264 protocol then output via the RJ45 port. Simple modular input card is easy to be integrated into the existing system.

Feature

- Support NTSC\PAL\SECAM self-adaption (NTSC and PAL are not supported at the same time).
- Support quad-view and single view mode.
- Single card supports 16 channel video input, 1 channel network video output.
- Support signal source cropping.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type		Description
Physical Connector		DB15 Port x2(can be converted to 8x BNC)+RJ45 Port x1
Performance	Video Format	NTSC/PAL/SECAM
	Signal Level	1Vp-p
	Impedance	75Ω
	Resolution	720x480(NTSC)；720x576(PAL)
	Input Channel	16
	Power	20 W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

Transmission cable

DB15 port needs to be connected to the 8x BNC and then connected to the CVBS.

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M4 Series 2 Channel Dual-link DVI Input Card

Order Code: DB-VWC2-M4-IC-DDVI2

Introduction

Support resolution up to 3840x2160@30Hz, automatically adapting various resolutions and optimization for output.

Feature

- Support DVI Dual-link signal input.
- Support up to 3840X2160@30Hz.
- Backward compatible.
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type	Description	
Physical Connector	24+5 pin DVI-I port (DVI-D signal only)	
Performance	Input Signal	DVI1.0 Standard
	Signal Level	VdiffP-P:150mV-1200mV
	Impedance	100Ω
	Resolution	3840*2160
	Frame Rate	Max. 3840x2160@30Hz
	Max Transmission Rate	9.9Gbps
	Input Channel	2
	Power	11.3W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%～80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series 4 Channel DP Input Card

Order Code: DB-VWC2-M4-IC-DP4

Introduction

M4 series 4 channel DP input card support resolution up to 1920x1200@60Hz, automatically adapting various resolutions and optimization for output.

Feature

- Support DP 1.0 protocol, maximum support 1920x1200@60hz signal
- Support HDCP1.4 validation.
- Backward compatible.
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type		Description
Physical Connector	Standard DP port x4	
Performance	Input Signal	DP 1.0(maximum data rate 1.62Gbps)
	Signal Level	$Vdiff_{P-P}$:130mV~1300mV
	Impedance	100Ω
	Resolution	1920x1200@60hz
	Frame Rate	Max. 1920x1200@60hz
	Max. Transmission Rate	6.48Gbps
	Input Channel	4
	Power	13.3W
	Temperature	0-50℃(Running),-55~70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series 4 Channel DVI Input Card

Order Code: DB-VWC2-M4-IC-DVI4

Introduction

M4 series 4 channel DVI input card support resolution up to 1920x1200@60Hz, automatically adapting various resolutions and optimization for output.

Feature

- Support up to 1920x1200@60Hz.
- Backward compatible.
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type		Description
Physical Connector		24+5 pin DVI-I portx4(DVI-D signal only)
Performance	Input Signal	DVI 1.0
	Signal Level	$Vdiff_{P-P}$:150mV-1200mV
	Impedance	100Ω
	Max. Resolution	1920x1200@60hz
	Frame Rate	Max. 1920x1200@60hz
	Max. Transmission Rate	4.95Gbps
	Input Channel	4
	Power	11.3W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series 4 Channel Optical Fiber Input Card

Order Code: DB-VWC2-M4-IC-FIBER4

Introduction
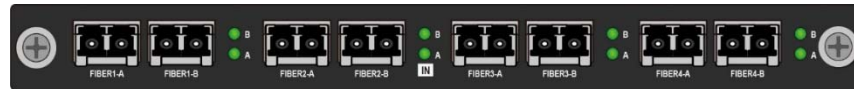
M4 series 4-channel optical fiber input card can receive video signals transmitted by optical fiber and convert them into electrical signals. 8 ports are divided into 4 groups, each group have 1 primary port (A) and 1 standby port (B), which enhances the system's reliability. Support resolution up to 1920x1200@60Hz and automatically adapt to resolution changes.

Feature

- 4 primary input ports and 4 standby input ports per card.
- Max. Resolution 1920x1200@60Hz.
- Support the primary and standby function. Each group receives port A input signal by default. Switch to port B input signal automatically when A port has no input signal or input signal is abnormal.
- Support configure on site, plug and play, hot swappable.
- Backward compatible.
- Support signal source cropping.
- Support station logo.
- Show blue screen when no signal input.
- Support interconnect with AVC-link Transmitter.

Parameters

Type	Description	
Physical Connector	LC Optical fiber port x 8	
Performance	Max. Resolution	1920x1200
	Frame Rate	Max. 60Hz
	Max. Transmission Rate	3Gbps
	Power	20W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4 (d)x2.1(h)

M4 Series 4 Channel HDBaseT Input Card

Order Code: DB-VWC2-M4-IC-HDBT4

Introduction

The M4 series 4-channel HDBaseT input card can receive 4 channel HDBaseT signal, which solves the inconvenience caused by short transmission distance of traditional DVI and other cables during installation. Needs to work with HDBaseT transmitter and also supports POE output.

Feature

- 4 channel per card.
- Max. Resolution 1920x1200@60Hz.
- POE output is supported. The default POE output voltage is 48V and the maximum is 57V.
- Backward compatible
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type		Description
Physical Connector	RJ45X4	
Performance	RJ45 Line Sequence	Standard 568A or 568B
	Connection way	RJ45 direct connection
	Transmission distance	Max100m(Cat6 twist-pair cable)
	Resolution	Max. 1920x1200@60Hz
	Power	24W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4 (d)x2.1(h)

M4 Series 4 Channel HDMI Input Card

Order Code: DB-VWC2-M4-IC-HDMI4

Introduction

M4 series 4 channel HDMI input card support resolution up to1920x 1080@60Hz, automatically adapting various resolutions and optimization for output.

Feature

- Support HDMI 1.3 protocol, compatible with DVI 1.0 protocol also support HDCP1.4 protocol.
- Backward compatible.
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.
- Support interlaced signal input.

Parameters

Type		Description
Physical Connector		HDMI Type A portx4
Performance	Physical Connector	HDMI 1.3/DVI 1.0
	Signal Level	$Vdiff_{P\text{-}P}$:150mV-1200mV
	Impedance	100Ω
	Resolution	1920*1200
	Frame Rate	Max. 1920*1200P@60Hz
	Max. Transmission Rate	6.69Gbps
	Input Channel	4
	Power	12.3W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3(l)x22.4(d)x2(h)

M4 Series 2 Channel IP Decoding Card

Order Code: DB-VWC2-M4-IC-IP2

Introduction

2 channel IP decoding card with RJ45 interface, each card supports up to 2048x1536 resolution. This card support working signal indicator, IP address modification and firmware upgrade online.

- RUN: Light flickering
- LINK1: Light on
- LINK2: Light on

Video Format

- Supported video sources.
- Network CCTV camera.
- H.264/RTSP/RTP: Support manufacturers of network cameras such as Hikvision, Dahua, Axis, Santachi and so on.
- Security media service.
- Support Hikvision, Dahua full range of security device access.
- Encoding box, encoding card.
- Full range of DigiBird's H.264 format encoding devices.

Decoding Capability

2 RJ45 ports per card, each card have 2x decoding channels. It can be independently set to diffidence working mode. Each channel in different modes of decoding in the form of:

- 1 view: Support up to 1 channel 2048x1536@25 (or 1920x 1080@30) signal decoding. Single view output.
- 4 view: Support up to 4x channel 1920x 1080@30 signal decoding. Quad views output.

Parameters

Type	Description	
IP Address	Default IP:192.168.1.203	
Physical Connector	RJ45 port	10M/100M/1000M auto-adaption
Performance	Port Qty	2
	Power	26W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series 2 Channel IP Decoding Card (H.265)

Order Code: DB-VWC2-M4-IC-IPH2

Introduction

2 channel IP decoding card with RJ45 interface. Single card supports up to 4000x3000@25 or 3840x2160@ 30 decoding and display to 4K screen. This card support working signal indicator, IP address modification and firmware upgrade online.

- RUN: Light flickering
- LINK1: Light on
- LINK2: Light on

Video Format

- Supported video sources.
- Network CCTV camera.
- H.264/H.265/RTSP/RTP: Support manufacturers of network cameras such as Hikvision, Dahua, Axis, Santachi and so on.
- Security media service.
- Support Hikvision, Dahua full range of security device access.
- Encoding box, encoding card.
- Full range of DigiBird's H.264 / H.265 format encoding devices.

Decoding Capability

2 RJ45 ports per card, each card with 2x decoding channels. It can be independently set to diffidence working mode. Each channel in different modes of decoding in the form of:

- 1 view: Support up to 1 channel 4000x 3000@25 (or 3840x 2160@30) signal decoding. Single view output.
- 4 view: Support up to 4x channel 3840x 2160@30 signal decoding. Quad views output.
- 9 view: Support up to 9x channel 1920 x 1080@30 signal decoding, 3x3 views output.
- 16 view: Support up to 16x channel 1920 x 1080@30 signal decoding, 4x4 views output.

Parameters

Type		Description
IP Address	Default IP:192.168.1.203	
Physical Connector	RJ45 port	10M/100M/1000M auto-adaption
Performance	Port Qty	2
	Power	26W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series 4 Channel SDI Input Card

Order Code: DB-VWC2-M4-IC-SDI4

Introduction

M4 series 4 channel SDI input card support resolution up to 1920x 1080@60Hz, automatically adapting various resolutions and optimization for output.

Feature

- Support 3G-SDI HD-SDI, SD-SDI input format.
- Support loop out function.
- Support up to 1920x1080P @ 60Hz.
- Backward compatible.
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.

Parameter

Type		Description
Physical Connector		BNC port x8
Performance	Input Signal	SD/HD/3G SDI
	Signal Level	Input SDI:800mVp-p Output SDI:800mVp-p
	Impedance	75Ω
	Max. Transmission Rate	2.97Gbps
	Input Channel	4
	Power	13W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)
Input Resolution	720 x 480i@60Hz	1920 x 1080p@24 Hz
	720 x 576 i@50Hz	1920 x 1080p@25Hz
	1280 x 720p@50 Hz	1920 x 1080p@30Hz
	1280 x 720p@60 Hz	1920 x 1080p@50Hz
	1920 x 1080i@50 Hz	1920 x 1080p@60Hz
	1920 x 1080i@60Hz	

M4 Series 4 Channel VGA Input Card

Order Code: DB-VWC2-M4-IC-VGA4

Introduction

M4 series 4 channel VGA input card support resolution up to 1920x 1200@60Hz, automatically adapting various resolutions and optimization for output.

Feature

- Support up to 1920x1200P @ 60Hz.
- Support for automatic image adjustment.
- Support RGB adjustment and brightness, contrast adjustment.
- Backward compatible.
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configure on site, plug and play, hot swappable.
- Support source preview via Network Preview Card.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type	Description		
Physical Connector	15 pin D-sub portx4		
Input Signal	RGBHV /CVBS/YPbPr signal		
Performance	Signal Level	RGBHV	0.7Vp-p
		CVBS	1.0 Vp-p
		Y Pb/Pr	1.0 Vp-p 0.7 Vp-p
	Impedance	RGBHV	75Ω
		CVBS	75Ω
		Y Pb/Pr	75Ω
	Input Channel	4	
	Power	15W	
	Temperature	0-50℃(Running),-55～70℃(Store)	
	Humidity	10%~80%(Running),10%~90%(Store)	
Appearance	Card Type	Blade	
	N.W.	0.3Kg	
	Dimension(cm)	20.3(l)x22.4(d)x2(h)	

Resolution

Type	Description		
CVBS	PAL　　720X576i 50Hz NTSC　　720X480i 60Hz SECAM　　720X576i 50Hz NTSC-443　　720X480i 60Hz	PAL-M　720X576i 50Hz PAL-N　720X576i 50Hz PAL-60 720X576i 60Hz	
YPbPr	480i /576i /480P /576P /720P25 /720P30 /720P50 /720P60 /1080i50 /1080i60 /1080P50 /1080P60 /1080P24 /1080P25 /1080P30		
VGA	1024 x 768@60Hz 1024 x 768@70Hz 1024 x 768@75Hz 1024 x 768@85Hz 1024 x 768@43Hz (interlaced) 800 x 600@56Hz 800 x 600@60Hz 800 x 600@72Hz 800 x 600@75Hz 800 x 600@85Hz 832 x 624@75Hz (MAC) 640 x 480@57Hz 640 x 480@60Hz 640 x 480@72Hz 640 x 480@75Hz 640 x 480@85Hz 640 x 480@66Hz (MAC) 848 x 480@60Hz (Reduce Blanking) 848 x 480@60Hz (CVT) 848 x 480@60Hz (MAC) 864 x 648@60Hz 640 x 350@70Hz 640 x 350@85Hz 640 x 400@70Hz 720 x 400@70Hz 640 x 350@85Hz 720 x 350@85Hz 640 x 400@85Hz	720 x 400@85Hz 1152 x 864@70Hz 1152 x 864@75Hz 1152 x 870@75Hz (MAC 21) 1280 x 720@25Hz 1280 x 720@30Hz 1280 x 720@50Hz 1280 x 720@60Hz 1280 x 768@50Hz 1280 x 768@60Hz (Reduce Blanking) 1280 x 768@60Hz 1280 x 768@75Hz 1280 x 768@85Hz 1280 x 800@60Hz (Reduce Blanking) 1280 x 800@60Hz 1280 x 800@75Hz 1280 x 800@85Hz 1280 x 960@60Hz 1280 x 960@75Hz 1280 x 960@85Hz 1280 x 1024@59Hz 1280 x 1024@60Hz 1280 x 1024@70Hz (NCD) 1280 x 1024@72Hz (HP) 1280 x 1024@75Hz 1280 x 1024@76Hz (SUN) 1280 x 1024@85Hz	1360 x 768@60Hz 1366 x 768@60Hz 　(Reduce Blanking) 1366 x 768@60Hz 1400 x 1050@59Hz 1400 x 1050@60Hz (Reduce Blanking) 1400 x 1050@75Hz 1440 x 900@60Hz (Reduce Blanking) 1440 x 900@60Hz 1440 x 900@75Hz 1440 x 900@85Hz 1600 x 1200@50Hz 1600 x 1200@60Hz 1600 x 1200@65Hz 1600 x 1200@70Hz 1600 x 1200@75Hz 1680 x 1050@59Hz 1680 x 1050@60Hz (Reduce Blanking) 1680 x 1050@60Hz 1680 x 1050@75Hz 1920 x 1080@50Hz 1920 x 1080@60Hz (Reduce Blanking) 1920 x 1080@60Hz 1920 x 1200@50Hz 1920 x 1200@60Hz

Output Card

M4 Series 4 Channel DP Output Card

Order Code: DB-VWC2-M4-OC-DP4

Introduction
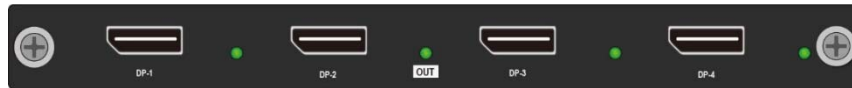
The M4 Series 4 channel DP output card can output DP signal to display devices. Support resolution up to 1920x1200@60hz. Each channel support 4 layers output.

Feature

- Support DP 1.0 protocol, maximum support 1920x1080@60Hz signal.
- Support HDCP1.3 validation.
- Each channel supports 4x layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play, hot swappable.
- Support background image.
- Multi ports output with Sync and support synchronization with other signals.
- Support scrolling text.
- Support upgrade online.
- Support to be monitored by CMC card.

Parameters

Type	Description	
Physical Connector	DP standard portx4	
Performance	Output Signal	DP 1.0(maximum data rate 1.62Gbps)
	Signal Level	Vdiff$_{P-P}$:130mV~1300mV
	Impedance	50Ω
	Max. Resolution	1920x1200
	Frame Rate	Max. 60 frames at 1920x1200
	Max. Transmission Rate	6.48Gbps
	Output Channel	4
	Power	28W
	Temperature	0-50℃(Running),-55~70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series 4 Channel DVI Output Card

Order Code: DB-VWC2-M4-OC-DVI4

Introduction

The M4 Series 4 channel DVI output card can output DVI signal to display devices. Support resolution up to 1920x1200@60hz. Each channel support 4 layers output.

Feature

- Support resolution up to 1920 x 1200@60Hz.
- DVI-I port, can output VGA signal via DVI-VGA adapter.
- Each channel supports 4x layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play.
- Support background image.
- Multi ports output with Sync and support synchronization with other signals.
- Support scrolling text.
- Support upgrade online.
- Support to be monitored by CMC card.

Parameters

Type		Description
Physical Connector		24+5 pin DVI-I portx4(can output VGA signal via adapter)
Performance	Output Signal	DVI 1.0
		VGA
	Signal Level	VdiffP-P:800mV-1200mV (DVI) 0.7Vp-p(VGA)
	Impedance	100Ω(DVI) 75Ω(VGA)
	Max. Resolution	1920x1200@60Hz
	Max. Transmission Rate	4.95Gb/s
	Output Channel	4
	Power	28W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series 4 Channel HDBaseT Output Card

Order Code: DB-VWC2-M4-OC-4KHDBT4

Introduction
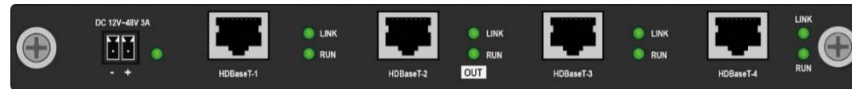
The M4 Series 4-channel HDBaseT output card can transmit DVI/HDMI signal to up to 100 meters via CAT5/6 cable. Needs to work with HDBaseT receiver also supports POE output.

Feature

- 4 channel per card.
- Support resolution up to1920 x 1200@60Hz.
- Support POE power supply function.
- Each channel supports 4x layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play.
- Support background image.
- Multi ports output with Sync and support synchronization with other signals.
- Support scrolling text.
- Support upgrade online.
- Support to be monitored by CMC card.

Parameters

Type	Description	
Physical Connector	RJ45 portX4	
Performance	RJ45 Line Sequence	Standard 568A or 568B
	Connection Way	RJ45 direct connection
	Transmission Distance	Max.100m(Cat6 twisted pair cable)
	Resolution	Max. 1920X1200@60Hz
	Max. Transmission Rate	4.95Gbps
	Power	34.4W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running) 10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4 (d)x2.1(h)

M4 Series 4 Channel HDMI Output Card

Order Code: DB-VWC2-M4-OC-HDMI4

Introduction
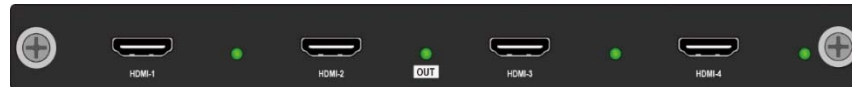
Feature

- 4 channel per card.
- Support standard HDMI output, the maximum resolution is 1920x1080@60Hz.
- Support for HDCP1.4 protocol.
- Each channel supports 4x layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play.
- Support background image.
- Multi ports output with Sync and support synchronization with other signals.
- Support scrolling text.
- Support firmware upgrade online.
- Support to be monitored by CMC card.

Parameters

Type		Description
Physical connector	HDMI portX4	
Performance	Transmission protocol	HDMI1.3
	Signal Level	Vdiff$_{P-P}$:800mV-1200mV
	Impedance	100Ω
	Max. Resolution	1920*1200@60Hz
	Frame Rate	Max. 60 frames at 1920x1200P
	Max. Transmission Rate	10.2Gbps
	Output Channel	4
	Power	26W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2.1(h)

M4 Series 1Channel IP Encoding Card

Order Code: DB-VWC2-M4-OC-IP1

Introduction

The 1 channel IP encoding card with RJ45 interface, support 4x channel encoding output. It support working signal indicator, IP address modification and firmware online upgrade.

- RUN: The indicator lights flicker under normal working conditions.
- LINK1: When the first encoding signal is captured, the indicator lights up.
- LINK2: When the Second encoding signal is captured, the indicator lights up.
- LINK3: When the third encoding signal is captured, the indicator lights up.
- LINK4: When the forth encoding signal is captured, the indicator lights up.

Parameter

Type		Description
IP Address		Default IP:192.168.1.202
Performance	Network Protocol	RTSP protocol
	Output Channel	Up to 4 channel encoding signal output
	Media Services	Support 10x channel access request
Video Encoding	Encoding Resolution	Main stream:1920*1080 / 704*576
		Sub stream:704*576 / 352*288
	Encoding Format	H.264
	Encoding Level	Baseline/Main/High profile
	Frame Rate	1-60 adjustable
	Frame Interval	10-100 adjustable
	Output Rate	Main stream 1M-12Mbps(264)/1~20Mbps(MJPEG)
		Sub stream 256K-1Mbps(264)/256K~4Mbps(MJPEG)
Work	Power	26W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3
	Dimension(cm)	20.3(l)x22.4(d)x2(h)

M4 Series Network Preview Card (NPC)

Order Code: DB-VWC2-M4-OC-NPC

Introduction

The input signal can be compressed and encoded by the NPC. Then it is transmitted to the controller software through the network and previewed in real time on the software, which help user to detect and operate the input source precisely.

Feature

- Each card support 64 channel signal preview.
- Multiple NPC supported.
- Support to configure on site, plug and play.
- Support firmware upgrade online.

Parameters

Type		Description
Physical Connector	RJ45 port	
Performance	NET output	Support up to 64 channel signal preview per card
	Frame Rate	10 frame/s
	Power	26W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)
Resolution	Source List Preview	480x270
	Display Preview	120x67.5

M4 Series 4 Channel SDI Output Card

Order Code: DB-VWC2-M4-OC-SDI4

Introduction

The M4 Series 4 channel SDI output card can output SDI signal to display devices. Support HD/3G SDI format. Support resolution up to 1920x1080@60hz. Each channel support 4 layers output.

Feature

- Support 3G-SDI, HD-SDI output format.
- Support up to 1920x1080P @ 60Hz.
- Each channel supports 4x layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play.
- Support background image.
- Support scrolling text.
- Support firmware upgrade online.
- Support to be monitored by CMC card.

Parameters

Type	Description	
Physical Connector	BNC port x 4	
Performance	Output Signal	HD/3G SDI
	Signal Level	800mVp-
	Impedance	75Ω
	Max. Transmission Rate	2.97Gbps
	Output Channel	4
	Power	27W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2(h)
Output Resolution	1280 x 720p@50 Hz 　1920 x 1080p@30Hz 1280 x 720p@60 Hz 　1920 x 1080p@50Hz 1920 x 1080p@24 Hz 　1920 x 1080p@60Hz 1920 x 1080p@25Hz	

M4 Series 4 Channel VGA Output Card

Order Code: DB-VWC2-M4-OC-VGA4

Introduction

M4 series 4 channel VGA output card can output VGA/YPbPr/CVBS signal to display devices. Interface can be converted when use YPbPr and CVBS. It support resolution up to 1920x1080@60Hz. Each channel support 4 layers output.

Feature

- Support up to 1920x1200P @ 60Hz.
- Supports VGA/YPbPr/CVBS signals.
- Each channel supports 4x layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play.
- Support background image.
- Support scrolling text.
- Support firmware upgrade online.
- Support to be monitored by CMC card.

Parameter

Type	Description		
Physical Connector	15 pin D-sub port x4		
Output Signal	RGBHV /CVBS/YPbPr signal		
Performance	Signal Level	RGBHV	0.7Vp-p
		CVBS	1.0 Vp-p
		Y	1.0 Vp-p
		Pb/Pr	0.7 Vp-p
	Impedance	RGBHV	75Ω
		CVBS	75Ω
		Y Pb/Pr	75Ω
	Output Channel	4	
	Power	26W	
	Temperature	0-50℃(Running), -55～70℃(Store)	
	Humidity	10%~80%(Running),10%~90%(Store)	
Appearance	Card Type	Blade	
	N.W.	0.3Kg	
	Dimension(cm)	20.3(l)x22.4(d)x2(h)	

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Resolution

Type	Resolution		
CVBS	720x480i 60Hz， NTSC 720x576i 50Hz， PAL		
VGA	640x480p@60Hz 800x600p@60Hz 1024x768p@60Hz 1280x720p@60Hz 1280x1024p@60Hz	1360x768p@60Hz 1366x768p@60Hz 1400x1050p@60Hz 1600x1200p@60Hz 1440x900p@60Hz	1680x1050p@60Hz 1680x1050pRB@60Hz 1920x1080pRB@60Hz 1920x1200pRB@60Hz
YPbPr	640x480p@60Hz 800x600p@60Hz 1024x768p@60Hz 1280x720p@60Hz 1280x1024p@60Hz	1360x768p@60Hz 1366x768p@60Hz 1400x1050p@60Hz 1600x1200p@60Hz 1440x900p@60Hz	1680x1050p@60Hz 1680x1050pRB@60Hz 1920x1080pRB@60Hz 1920x1200pRB@60Hz

M4 Series 4 Channel Galileo DVI Output Card

Order Code: DB-VWC2-M4-OC-JDVI4

Introduction

The M4 Series 4 channel Galileo DVI output card can output DVI signal to display devices. Support resolution up to 1920x1200@60hz.

Each channel support 4/8 layers output. Working on 8 layers, 1st & 2nd channel will be combined as well the 3rd & 4th channel, you can take output either from 1st channel or 3rd channel.

Comparing to the 4 channel DVI output card, the 4 channel Galileo DVI output card is designed to show better performance at LED wall, to enhance the image quality during scaling (Zoom in, Zoom out).

Feature

- Support resolution up to 1920 x 1200@60Hz.
- DVI-I port, can output VGA signal via DVI-VGA adapter.
- Advance scaling algorithm for output on LED display.
- Each channel supports 4/8 layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play.
- Support background image.
- Support scrolling text.
- Support upgrade online.
- Support to be monitored by CMC card.

Parameters

| Type	Description	
Physical Connector	24+5 pin DVI-I portx4(can output VGA signal via adapter)	
Performance	Output Signal	DVI 1.0
		VGA
	Signal Level	VdiffP-P:800mV-1200mV (DVI) 0.7Vp-p(VGA)
	Impedance	100Ω(DVI)　　　　　75Ω(VGA)
	Max. Resolution	1920x1200@60Hz
	Max. Transmission Rate	4.95Gb/s
	Output Channel	4
	Power	35W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2.1(h)

Configuration:

Sign in Darwin→Video Wall→Layer Mode→Select 4/8 Layers

M4 Series 4 Channel Galileo HDMI Output Card

Order Code: DB-VWC2-M4-OC-JHDMI4

Introduction
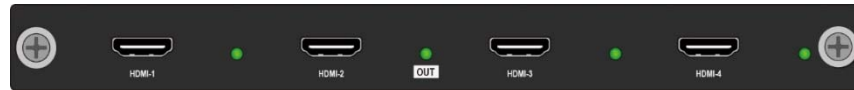
The M4 Series 4 channel Galileo HDMI output card can output HDMI signal to display devices. Support resolution up to 1920x1200@60hz. Each channel support 4/8 layers output. Working on 8 layers, 1st & 2nd channel will be combined as well the 3rd & 4th channel, you can take output either from 1st channel or 3rd channel.

Comparing to the 4 channel HDMI output card, the 4 channel Galileo HDMI output card is designed to show better performance at LED wall, to enhance the image quality during scaling (Zoom in, Zoom out).

Feature

- 4 channel per card.
- Support standard HDMI output, the maximum resolution is 1920x1080@60Hz.
- Support HDCP1.4 protocol.
- Advance scaling algorithm for output on LED display.
- Each channel supports 4/8 layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play.
- Support background image.
- Support scrolling text.
- Support firmware upgrade online.
- Support to be monitored by CMC card.

Parameters

Type		Description
Physical connector	HDMI portX4	
Performance	Transmission protocol	HDMI1.3
	Signal Level	Vdiff$_{P-P}$:800mV-1200mV
	Impedance	100Ω
	Max. Resolution	1920*1200@60Hz
	Frame Rate	Max. 60 frames at 1920x1200P
	Max. Transmission Rate	5.1Gbps
	Output Channel	4
	Power	35W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2.1(h)

Configuration:

Sign in Darwin→Video Wall→Layer Mode→Select 4/8 Layers

M4 Series 4 Channel Galileo 4K HDMI Output Card

Order Code: DB-VWC2-M4-OC-J4KHDMI4

Introduction
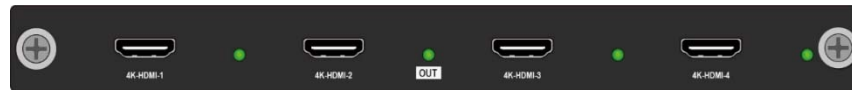
The M4 Series 4 channel Galileo 4K HDMI output card can output 4K HDMI signal to display devices. Support resolution up to 3840x21600@30hz. Each channel support 4/8 layers output. Working on 8 layers, 1st & 2nd channel will be combined as well the 3rd & 4th channel, you can take output either from 1st channel or 3rd channel.

Comparing to the 4 channel HDMI output card, the 4 channel Galileo HDMI output card is designed to show better performance at LED wall, to enhance the image quality during scaling (Zoom in, Zoom out).

Feature

- The card supports HDCP 1.4 protocol.
- Support resolution up to 3840x2160@30Hz.
- Advance scaling algorithm for output on LED display.
- Each channel supports 4/8 layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play, hot swappable.
- Support background image.
- Support scrolling text.
- Support upgrade online.
- Support to be monitored by CMC card.

Parameters

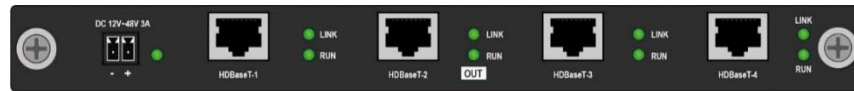| Type	Description	
Physical Connector	HDMI Type A portX4	
Performance	Transmission Protocol	HDMI1.4
	Signal Level	Vdiffp-p:800mV-1200mV
	Impedance	100Ω
	Max. Resolution	3840 x 2160
	Frame Rate	Max. 30 frames at 3840 x 2160P
	Max. Transmission Rate	10.2Gbps
	Output Channel	4
	Power	40W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4(d)x2.1(h)

Configuration:

Sign in Darwin→Video Wall→Layer Mode→Select 4/8 Layers
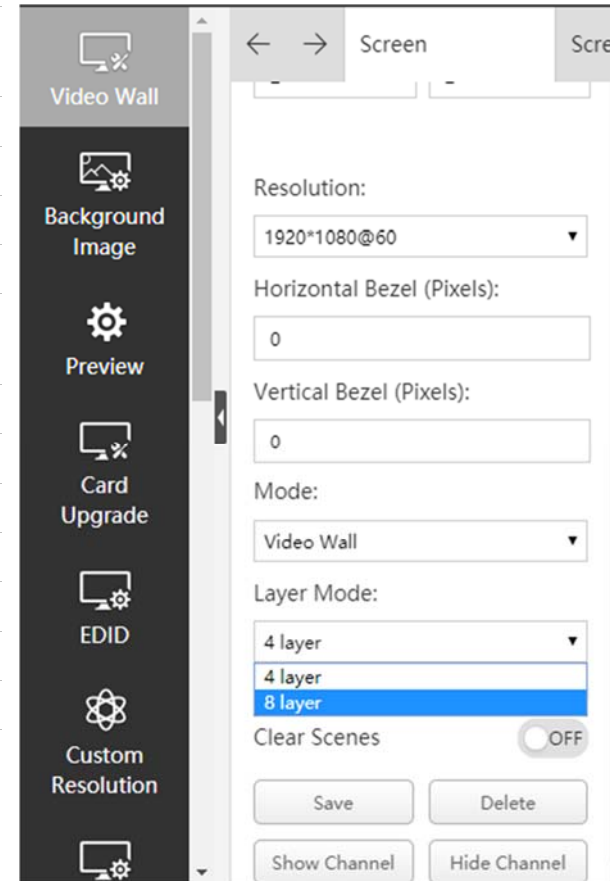
M4 Series 4 Channel Galileo HDBaseT Output Card

Order Code: DB-VWC2-M4-OC-JHDBT4

Introduction

The M4 Series 4-channel Galileo HDBaseT output card can transmit DVI/HDMI signal to up to 100 meters via CAT5/6 cable. Needs to work with HDBaseT receiver also supports POE output.

Each channel support 4/8 layers output. Working on 8 layers, 1st & 2nd channel will be combined as well the 3rd & 4th channel, you can take output either from 1st channel or 3rd channel.

Comparing to the 4 channel HDBaseT output card, the 4 channel Galileo HDBaseT output card is designed to show better performance at LED wall, to enhance the image quality during scaling (Zoom in, Zoom out).

Feature

- 4 channel per card.
- Support resolution up to 1920 x 1200@60Hz.
- Support POE power supply function.
- Advance scaling algorithm for output on LED display.
- Each channel supports 4/8 layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play.
- Support background image.
- Support scrolling text.
- Support upgrade online.
- Support to be monitored by CMC card.

Parameters

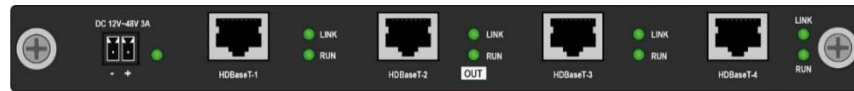| Type		Description
Physical Connector		RJ45 portX4
Performance	RJ45 Line Sequence	Standard 568A or 568B
	Protocol	HDBaseT 1.0
	Transmission Distance	Max.100m(Cat6 twisted pair cable)
	Resolution	Max. 1920X1200@60Hz
	Max. Transmission Rate	5.1Gbps
	Power	39W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running), 10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4 (d)x2.1(h)

Configuration:

Sign in Darwin→Video Wall→Layer Mode→Select 4/8 Layers
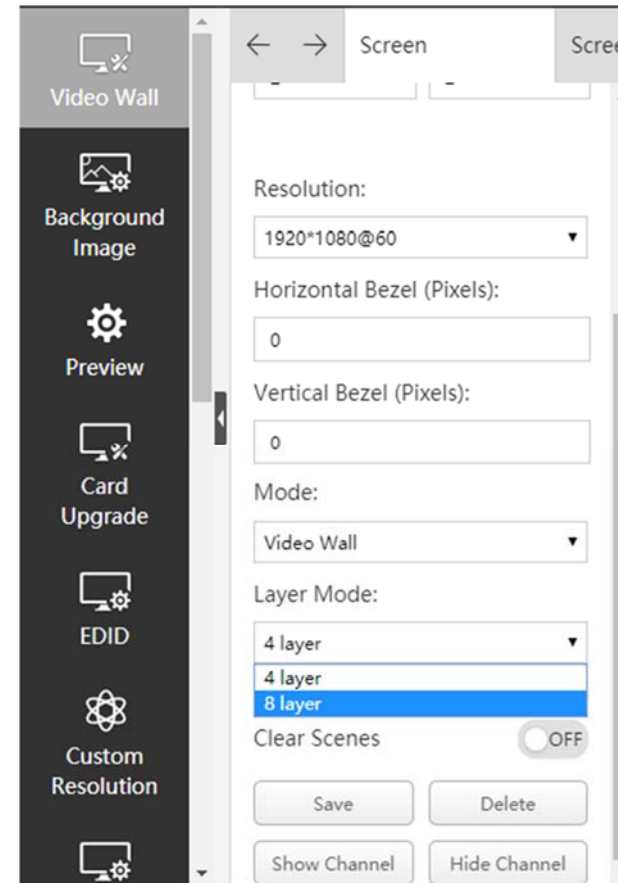
M4 Series 4 Channel Galileo 4K HDBaseT Output Card

Order Code: DB-VWC2-M4-OC-J4KHDBT4

Introduction

The M4 Series 4-channel Galileo 4K HDBaseT output card can transmit DVI/HDMI signal to up to 100 meters via CAT5/6 cable. Needs to work with HDBaseT receiver also supports POE output.

Each channel support 4/8 layers output. Working on 8 layers, 1st & 2nd channel will be combined as well the 3rd & 4th channel, you can take output either from 1st channel or 3rd channel.

Comparing to the 4 channel HDBaseT output card, the 4 channel Galileo HDBaseT output card is designed to show better performance at LED wall, to enhance the image quality during scaling (Zoom in, Zoom out).

Feature

- 4 channel per card.
- Support resolution up to 3840 x 2160@30Hz.
- Support POE power supply function.
- Advance scaling algorithm for output on LED display.
- Each channel supports 4/8 layers with arbitrary roaming, overlay.
- Multi-channel synchronous output.
- Support to configure on site, plug and play.
- Support background image.
- Support scrolling text.
- Support upgrade online.
- Support to be monitored by CMC card.

Parameters

Type		Description
Physical Connector		RJ45 portX4
Performance	RJ45 Line Sequence	Standard 568A or 568B
	Protocol	HDBaseT 1.0
	Transmission Distance	Max.100m (Cat6 twisted pair cable)
	Resolution	Max. 3840X2160@30Hz
	Max. Transmission Rate	10.2Gbps
	Power	44W
	Temperature	0-50℃(Running),-55～70℃(Store)
	Humidity	10%~80%(Running),10%~90%(Store)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension(cm)	20.3(l)x22.4 (d)x2.1(h)

Configuration:

Sign in Darwin→Video Wall→Layer Mode→Select 4/8 Layers