



DigiBird Technology Co., Ltd.

VWC2-M4 Video Wall Controller

Card Manual



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Function Card

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 / 14U / 26U chassis. There are 2 control cards both cards connect to the LAN, the control card in the upper slot runs as primary by default. Pull 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

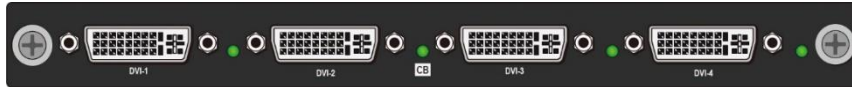
Type	Description	
Physical Connector	RJ45, Compatible with 100BaseT, 1G, 10G switches.	
	Maximum bandwidth consumption 100M	
Specifications	RS232	Loop in Baud Rate:9600; Loop out Baud Rate: 9600,38400,115200
		No Parity
		8 data bits
		1 stop bit
	Power	7.2W
Temperature	0-50°C (Running),-55 ~ 70°C(Store)	
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 interfce4(Output VGA signal via adapter)	
Specifications	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°C(Running) -55 ~ 70°C(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 Network Preview Card (NPC)

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

Introduction



The input signal can be compressed and encoded by the NPC, transmitted to the controller software and Web-GUI through the network. Users are able to preview the input signal and video wall display in real time, which helps user to detect and operate the input source precisely.

Feature

- Each card supports 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	
Specifications	NET output	Support up to 64 channel signal preview per card
	Frame Rate	10 frame/s
	Power	26W
	Temperature	0-50°C(Running) -55 ~ 70°C(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



Input Card

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 input resolution from 640x480@60Hz 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)	
Specifications	Input Signal	DVI 1.0
	Signal Level	Vdiff _{p-p} :150mV-1200mV
	Impedance	100Ω
	Max. Resolution	1920x1200@6060Hz
	Frame Rate	Max. 1920x1200@60hz
	Max. Transmission Rate	4.95Gbps
	Input Channel	4
	Power	11.3W
	Temperature	0-50°C(Running) -55 ~ 70°C(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 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 resolution from 640x480@60Hz 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)	
	Input Signal	DVI1.0 Standard
Specifications	Signal Level	VdiffP-P:150mV-1200mV
	Impedance	100Ω
	Max. Resolution	3840*2160@30Hz
	Max Transmission Rate	9.9Gbps
	Input Channel	2
	Power	11.3W
	Temperature	0-50°C(Running) -55 ~ 70°C(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 HDMI Input Card

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

Introduction



M4 series 4 channel HDMI input card support resolution up to 1920x 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		
	Physical Connector	HDMI 1.3/DVI 1.0	
Specifications	Signal Level	Vdiff _{p-p} :150mV-1200mV	
	Impedance	100Ω	
	Max. Resolution	1920*1200@60Hz	
	Max. Transmission Rate	6.69Gbps	
	Input Channel	4	
	Power	12.3W	
	Temperature	0-50°C(Running)	
		-55 ~ 70°C(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 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		
Specifications	Input Signal	HDMI 1.4/DVI 1.0	
	Signal Level	Vdiff _{p-p} : 150mV-1200mV	
	Impedance	100Ω	
	Max. Resolution	3840*2160@30Hz	
	Max Transmission Rate	9.0Gbps	
	Input Channel	2	
	Power	11.3W	
	Temperature	0-50°C(Running)	
		-55 ~ 70°C(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.

Parameter

Type	Description		
Physical Connector	Standard DP port x4		
Specifications	Input Signal	DP 1.0(maximum data rate 1.62Gbps)	
	Signal Level	Vdiff _{P-P} :130mV~1300mV	
	Impedance	100Ω	
	Resolution	1920x1200@60Hz	
	Max. Transmission Rate	6.48Gbps	
	Input Channel	4	
	Power	13.3W	
	Temperature	0~50°C(Running)	
		-55 ~ 70°C(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 DP Input Card

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

Introduction



M4 Series 2 channel 4K DP input card support resolution up to 3840x2160@30hz, automatically adapting of various resolutions, and optimization for output.

Feature

- Support DP 1.1 protocol, support input up to 3840X2160@30Hz.
- Backward compatible.
- Support for HDCP1.4 validation.
- Support signal source cropping.
- Advanced EDID management also support EDID editing.
- Support configures 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	Standard DP port x 2		
Specifications	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°C(Running)	
		-55 ~ 70°C(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		
Specifications	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°C(Running) -55 ~ 70°C(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		
Specifications	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°C(Running)	
-55 ~ 70°C(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	PAL-M 720X576i 50Hz
	NTSC	720X480i 60Hz	PAL-N 720X576i 50Hz
	SECAM	720X576i 50Hz	PAL-60 720X576i 60Hz
	NTSC-443	720X480i 60Hz	
YPbPr	480i /576i /480P /576P /720P25 /720P30 /720P50 /720P60 /1080i50 /1080i60 /1080P50 /1080P60 /1080P24 /1080P25 /1080P30		
VGA	1024 x 768@60Hz	720 x 400@85Hz	1360 x 768@60Hz
	1024 x 768@70Hz	1152 x 864@70Hz	1366 x 768@60Hz
	1024 x 768@75Hz	1152 x 864@75Hz	(Reduce Blanking)
	1024 x 768@85Hz	1152 x 870@75Hz	1366 x 768@60Hz
	1024 x 768@43Hz	(MAC 21)	1400 x 1050@59Hz
	(interlaced)	1280 x 720@25Hz	1400 x 1050@60Hz
	800 x 600@56Hz	1280 x 720@30Hz	(Reduce Blanking)
	800 x 600@60Hz	1280 x 720@50Hz	1400 x 1050@75Hz
	800 x 600@72Hz	1280 x 720@60Hz	1440 x 900@60Hz
	800 x 600@75Hz	1280 x 768@50Hz	(Reduce Blanking)
	800 x 600@85Hz	1280 x 768@60Hz	1440 x 900@60Hz
	832 x 624@75Hz (MAC)	(Reduce Blanking)	1440 x 900@75Hz
	640 x 480@57Hz	1280 x 768@60Hz	1440 x 900@85Hz
	640 x 480@60Hz	1280 x 768@75Hz	1600 x 1200@50Hz
	640 x 480@72Hz	1280 x 768@85Hz	1600 x 1200@60Hz
	640 x 480@75Hz	1280 x 800@60Hz	1600 x 1200@65Hz
	640 x 480@85Hz	(Reduce Blanking)	1600 x 1200@70Hz
	640 x 480@66Hz (MAC)	1280 x 800@60Hz	1600 x 1200@75Hz
	848 x 480@60Hz	1280 x 800@75Hz	1680 x 1050@59Hz
	(Reduce Blanking)	1280 x 800@85Hz	1680 x 1050@60Hz
	848 x 480@60Hz (CVT)	1280 x 960@60Hz	(Reduce Blanking)
	848 x 480@60Hz (MAC)	1280 x 960@75Hz	1680 x 1050@60Hz
	864 x 648@60Hz	1280 x 960@85Hz	1680 x 1050@75Hz
	640 x 350@70Hz	1280 x 1024@59Hz	1920 x 1080@50Hz
	640 x 350@85Hz	1280 x 1024@60Hz	1920 x 1080@60Hz
	640 x 400@70Hz	1280 x 1024@70Hz (NCD)	(Reduce Blanking)
	720 x 400@70Hz	1280 x 1024@72Hz (HP)	1920 x 1080@60Hz
	640 x 350@85Hz	1280 x 1024@75Hz	1920 x 1200@50Hz
	720 x 350@85Hz	1280 x 1024@76Hz (SUN)	1920 x 1200@60Hz
	640 x 400@85Hz	1280 x 1024@85Hz	



M4 Series 4 Channel Video Input Card

Order Code: DB-VWC2-M4-IC-VIDEO4

Introduction



M4 series 4-channel video input card is able to input CVBS signal, support NTSC/PAL/SECAM. Support brightness, contrast, Horizontal starting position, Horizontal Width, Vertical starting position, Vertical Width adjustment.

Feature

- Support NTSC\PAL\SECAM auto-adaption
- Support brightness, chroma, contrast, grayscale, saturability adjustment.
- Support preview of input signal.
- Support signal cropping.
- Support configure on site, plug and play, hot swappable.
- Support station logo.
- Show blue screen when no signal input.

Parameters

Type	Description	
Physical Connector	BNC x 4	
Specifications	Input signal	CVBS
	Signal Level	1.0Vpp
	Impedance	75Ω
	Frame rate	60Hz-NTSC/50Hz-PAL
	Input channel	4
	Power	15W
	Temperature	0-50°C(Running) -55 ~ 70°C(Store)
Appearance	Humidity	10%~80%(Running) 10%~90%(Store)
	Card Type	Blade
	N.W.	0.3Kg
Input resolution	Dimension(cm)	20.3(L)x22.4 (D)x2.1(H)
	PAL: 720X576i 50Hz	PAL-M: 720X576i 50Hz
	NTSC: 720X480i 60Hz	PAL-N: 720X576i 50Hz
	SECAM: 720X576i 50Hz	PAL-60: 720X576i 60Hz
	NTSC-443: 720X480i 60Hz	



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)	
	Video Format	NTSC/PAL/SECAM
Specifications	Signal Level	1Vp-p
	Impedance	75Ω
	Resolution	720x480(NTSC) 720x576(PAL)
	Input Channel	16
	Power	20W
	Temperature	0-50°C(Running) -55 ~ 70°C(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.



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 port with 2x decoding channels**. It can be independently set to diffidence working mode.

Each channel in different modes of decoding capacity in the form of below

Work Mode	Decoding Capacity	Output
1 view	Support up to 1 channel 4000x 3000@25Hz (or 3840x 2160@30Hz) signal decoding	Single view, 1080P output
2x2 view	Support up to 4x channel 3840x2160@30Hz signal decoding	2x2 view. 1080P output
3x3 view	Support up to 9x channel 1920x1080@30Hz signal decoding	3x3 view, 1080P output
4x4 view	Support up to 16x channel 1920x1080@30Hz signal decoding	4x4 view 1080P output

Each Port in its Max. decoding capacity and configuration method in the form of below

Each Port Decoding Capacity	Output
4x channels 4000x 3000@25Hz (or 3840x 2160@30Hz) signal decoding	Set one of the channels as 2x2 view mode, decode four 4000x3000@25Hz or 3840x2160@30Hz signals, the other channel will be invalid.
8x channels 1920x1080@60Hz signal decoding	Set 2x channels as 2x2 view mode. Each channel decodes four-1920x1080@60Hz signals.
16x channels 1920x 1080@30Hz signal decoding	Set one of the channels as 4x4 view mode, decode Sixteen 1920x1080@30Hz signals, the other channel will be invalid.
32x channels 1280x 720@30Hz signal decoding	Set two channels as 4x4 view mode, each channel decodes Sixteen 1280x720@30Hz signals.

Each card Max. decoding capacity is EIGHT channels 4000x3000@25Hz or 3840x2160@30Hz signals or SIXTEEN channels 1920x1080@60Hz signals or THIRTY-TWO channels 1920x1080@30Hz signals or SIXTY-FOUR channels



1280x720@30Hz signals.

Parameters

Type	Description	
IP Address	Default IP:192.168.1.203	
Physical Connector	RJ45 port	10M/100M/1000M auto-adaption
	Port Qty	2
Specifications	Power	26W
	Temperature	0-50°C(Running) -55 ~ 70°C(Store)
	Humidity	10%~80%(Running) 10%~90%(Store)
	Card Type	Blade
Appearance	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
	Port Qty	4
Specifications	Power	16W
	Temperature	0-50°C(Running) -55 ~ 70°C(Store)
	Humidity	10%~80%(Running) 10%~90%(Store)
	Card Type	Blade
Appearance	N.W.	0.3Kg
	Dimension(cm)	20.3(L)x22.4(D)x2(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 ports 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 configures 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	
	RJ45 Line Sequence	Standard 568A or 568B
Specifications	Connection way	RJ45 direct connection
	Transmission distance	Max.100m (Cat6 twist-pair cable)
	Resolution	Max. 1920x1200@60Hz
	Power	24W
	Temperature	0-50°C(Running) -55 ~ 70°C(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

- 2 ports 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 configures 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	
Specifications	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°C(Running) -55 ~ 70°C(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 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 configures 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	
Specifications	Max. Resolution	1920x1200
	Frame Rate	Max. 60Hz
	Max. Transmission Rate	3Gbps
	Power	20W
	Temperature	0-50°C(Running) -55 ~ 70°C(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 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	
Specifications	Max. Resolution	3840x2160
	Frame Rate	Max. 30Hz at 4K; Max. 60Hz at 1080P
	Max. Transmission Rate	6Gbps
	Power	20W
	Temperature	0-50°C(Running), -55 ~ 70°C(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)



Output Card

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

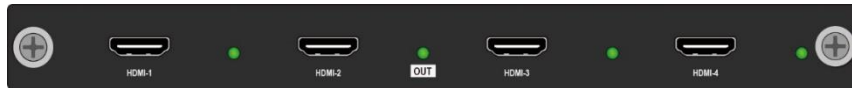
Type	Description	
Physical Connector	24+5 pin DVI-I portx4(can output VGA signal via adapter)	
Specifications	Output Signal	DVI 1.0 VGA
	Signal Level	VdiffP-P:800mV-1200mV (DVI) 0.7Vp-p(VGA)
	Impedance	100Ω(DVI) 75Ω(VGA)
	Max. Resolution	1920x1200@60Hz
	Max. Transmission Rate	4.95Gb/s
	Output Channel	4
	Power	28W
	Temperature	0-50°C(Running) -55 ~ 70°C(Store)
	Humidity	10%~80%(Running) 10%~90%(Store)
	Appearance	Card Type
N.W.		0.3Kg
Dimension(cm)		20.3(L)x22.4(D)x2(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 Type A portX4	
Specifications	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°C(Running) -55 ~ 70°C(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 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

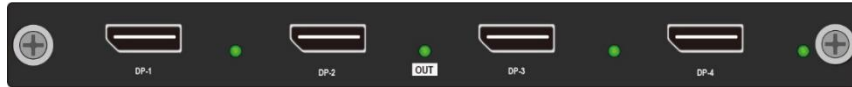
Type	Description	
Physical Connector	BNC port x 4	
Specifications	Output Signal	HD/3G SDI
	Signal Level	800mVp-
	Impedance	75Ω
	Max. Transmission Rate	2.97Gbps
	Output Channel	4
	Power	27W
	Temperature	0-50°C(Running) -55 ~ 70°C(Store)
Appearance	Humidity	10%~80%(Running) 10%~90%(Store)
	Card Type	Blade
	N.W.	0.3Kg
Output Resolution	Dimension(cm)	20.3(L)x22.4(D)x2(H)
	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 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		
	Output Signal	DP 1.0(maximum data rate 1.62Gbps)	
Specifications	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°C(Running)	
		-55 ~ 70°C(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 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 supports 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		
Specifications	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°C(Running)		
	-55 ~ 70°C(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	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 Video Output Card

Order Code: DB-VWC2-M4-OC-VIDEO4

Introduction



M4 series 4-channel video output card can output CVBS signal to display device

Feature

- Support NTSC\PAL
- 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 x 4		
	Input signal	CVBS	
Specifications	Signal Level	1.0Vpp	
	Impedance	75Ω	
	Max. Resolution	720X480i 60Hz, NTSC/720X576i 50Hz, PAL	
	Input channel	4	
	Power	26W	
	Temperature	0-50°C(Running)	
		-55 ~ 70°C(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 Output Card

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

Introduction



The M4 Series 4-channel HDBaseT output card can transmit DVI/HDMI signal to up to 100 meters via CAT6 cable. Needs to work with HDBaseT receiver, This card also supports POE output.

Feature

- 4 channel per card.
- Support resolution up to 1920 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	
	RJ45 Line Sequence	Standard 568A or 568B
Specifications	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°C(Running) -55 ~ 70°C(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 1 Channel 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 supports 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 fourth encoding signal is captured, the indicator lights up.

Parameter

Type	Description	
IP Address	Default IP:192.168.1.202	
Specifications	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
Work	Power	26W
	Temperature	0-50°C(Running),-55 ~ 70°C(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 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 port or 3rd port.

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.

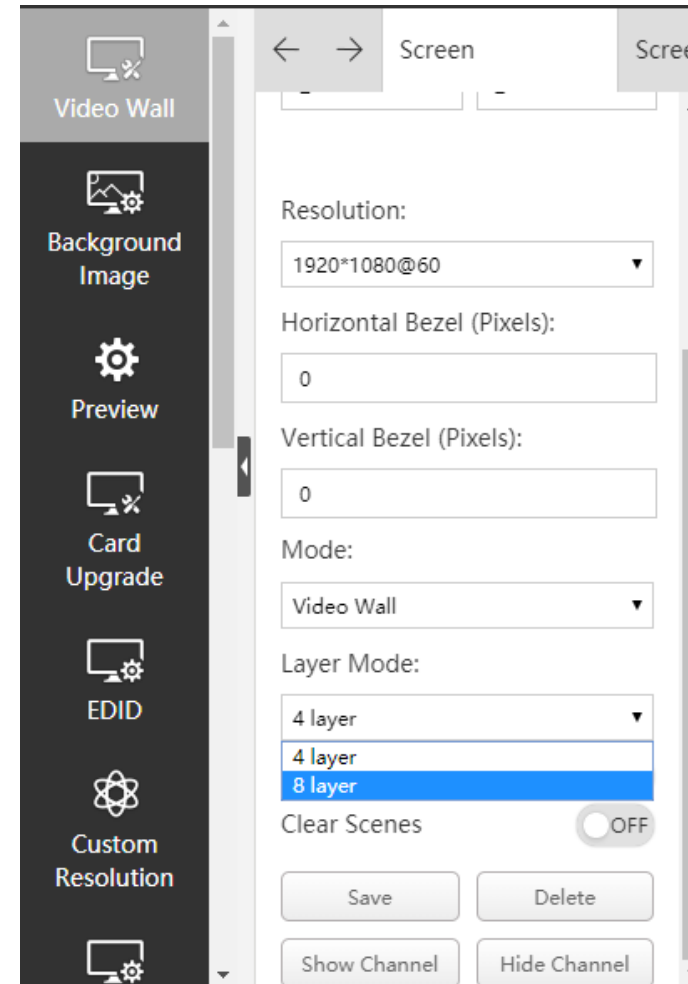


Parameters

Type	Description	
Physical Connector	24+5 pin DVI-I portx4(can output VGA signal via adapter)	
Specifications	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°C(Running),-55 ~ 70°C(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:

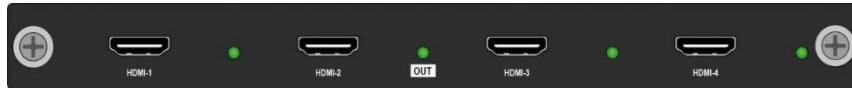
Sign in Darwin→Video Wall→Layer Mode→Select 4/8 Layers



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 port or 3rd port.

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.

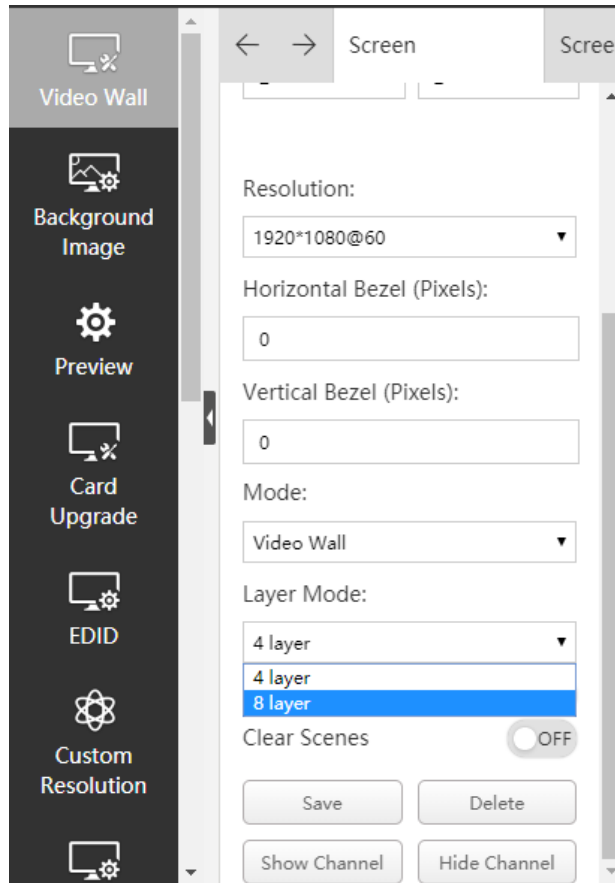
Parameters

Type	Description	
Physical connector	HDMI Type A portX4	
Specifications	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°C(Running) -55 ~ 70°C(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:

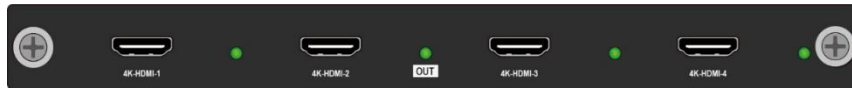
Sign in Darwin → Video Wall → Layer Mode → Select 4/8 Layers



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 3840x2160@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.

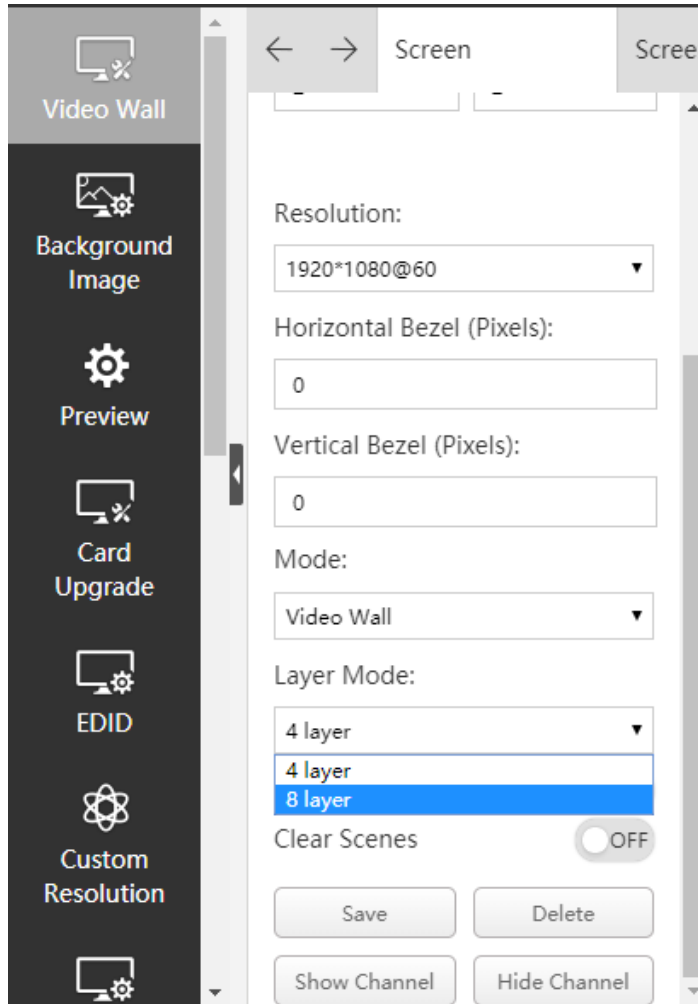
Parameters

Type	Description		
Physical Connector	HDMI Type A portX4		
Specifications	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°C(Running)	
		-55 ~ 70°C(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:

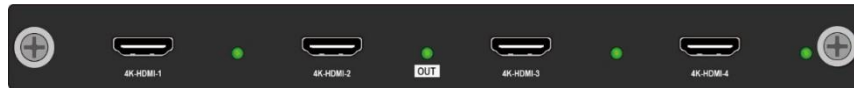
Sign in Darwin → Video Wall → Layer Mode → Select 4/8 Layers



M4 Series 4 Channel Galileo 16 Windows 4K HDMI Output Card

Order Code: [DB-VWC2-M4-OC-J4KHDMI1](#)

Introduction



The M4 Series 1 channel Galileo 16 windows 4K HDMI output card can output 4K HDMI signal to display devices. Support resolution up to 3840x2160@30hz, support max 16 windows only 1st port available. When configured to 8 layers mode, the 1st port can output 16 layers, the 2nd port will copy the 1st output. There will be no output from 3rd and 4th port.

Comparing to the 4 channel HDMI output card, the 1 channel Galileo 16 windows 4K-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 HDMI 1.4 protocol, output resolution up to 3840x2160@30Hz.
- Advance scaling algorithm for output on LED display.
- Supports 16 layers*.
- 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.

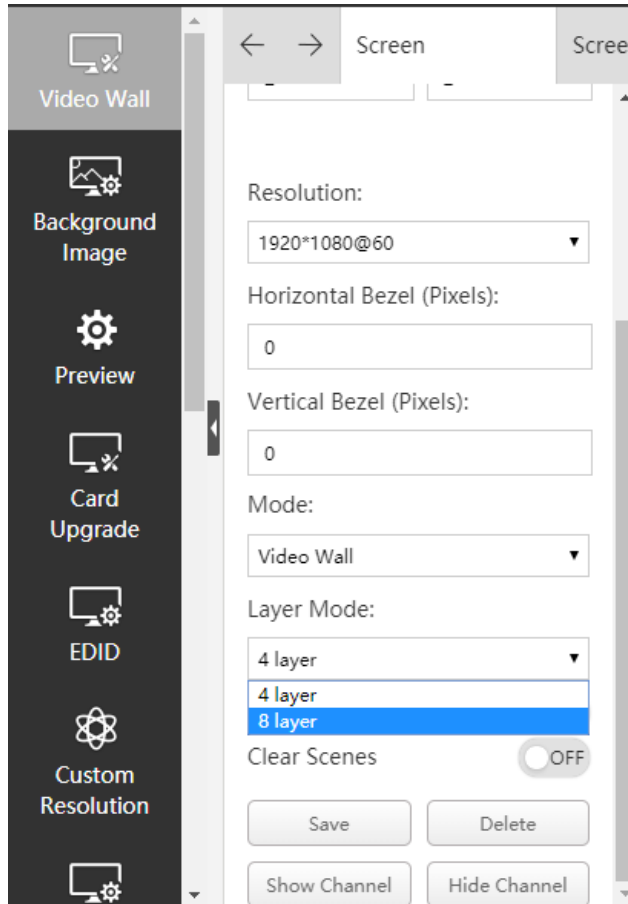
Parameters

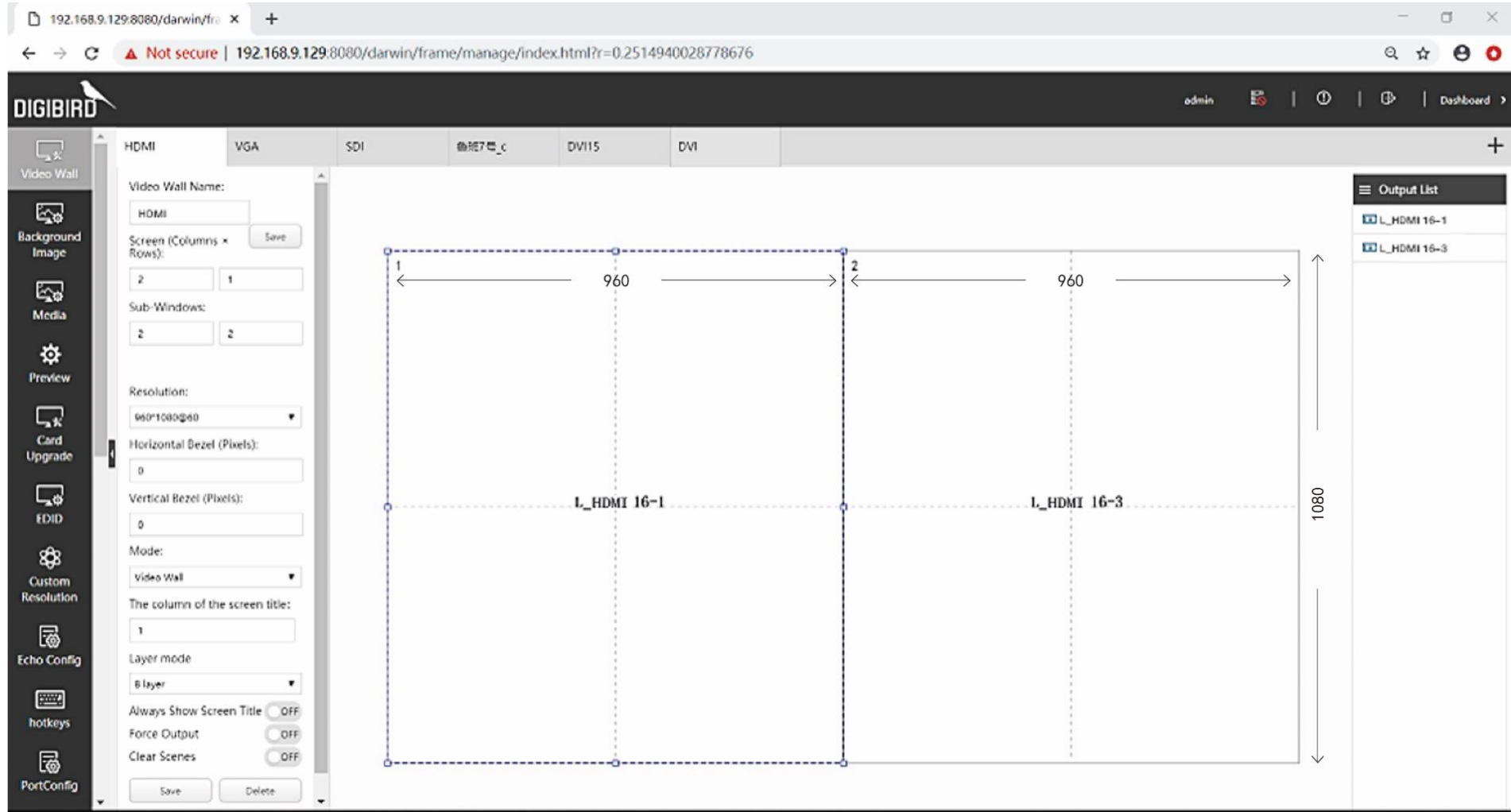
Type	Description		
Physical Connector	HDMI Type A portX4		
Specifications	Transmission Protocol	HDMI 1.4	
	Signal Level	Vdiffp-p:800mV-1200mV	
	Impedance	100Ω	
	Max. Resolution	3840 x 2160	
	Frame Rate	Max. 30 frames at 3840 x 2160P	
	Max. Transmission Rate	10.2Gbps	
	Output Channel	2	
	Power	40W	
	Temperature	0-50°C(Running)	
		-55 ~ 70°C(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 8 Layers





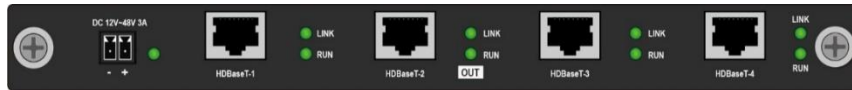
- When display 16 windows on one screen, user need to divide that screen to two virtual screens, while configuring on Darwin page.
- Add customize resolution 960*1080@60Hz, always place 1st port at left. User can open max. 16 windows on whole screen, however when place a window cross both virtual screens, it will occupy each layer from both sides.



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.

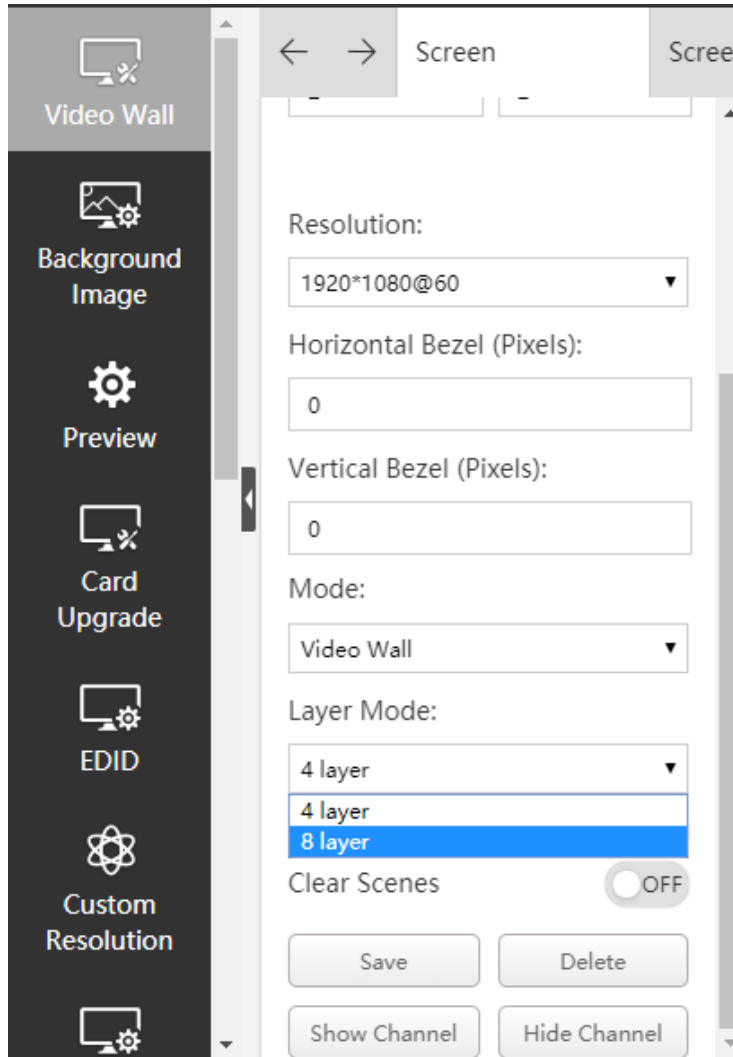
Parameters

Type	Description	
Physical Connector	RJ45 portX4	
	RJ45 Line Sequence	Standard 568A or 568B
Specifications	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°C(Running) -55 ~ 70°C(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:

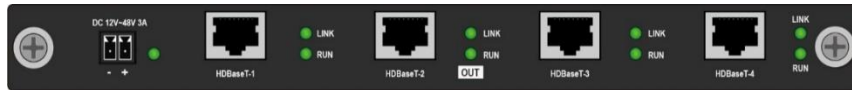
Sign in Darwin → Video Wall → Layer Mode → Select 4/8 Layers



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.

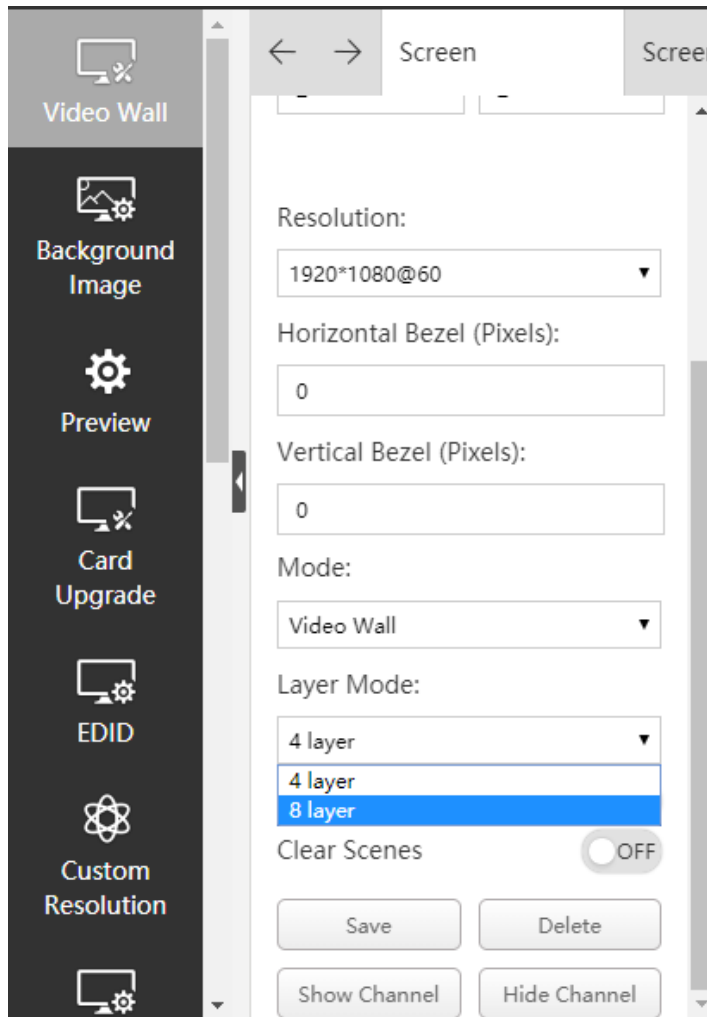
Parameters

Type	Description	
Physical Connector	RJ45 portX4	
Specifications	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°C(Running) -55 ~ 70°C(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



Power Supply Unit

Order Code: DB-ACM-PSU-550W



Introduction

DigiBird provides standard PSU module, which can be used on all DigiBird video wall controllers.

Parameters

Type	Description	
Specification	Max. Rated Power	550W
	Autorange INPUT	47 ~ 63 Hz
	Power IN	AC 100 ~ 127V/ 5.65A AC 200 ~ 240V/ 2.72A
	Power OUT	DC 12V/ 36.33A DC 12VSB/ 2A
	Temperature	0 ~ 50°C (Running) -40 ~ 70°C (Store)
	Altitude	To 5000m (Running)
	Humidity	To 85%(Running) To 95%(Store)
Appearance	Unit Type	Rectangular
	N.W.	0.8Kg
	Dimension(cm)	22(L)x7.5 (W)x4(H)

