



DigiBird Technology Co., Ltd.

VWC2-TPro Video Wall Controller

Card Specification Sheet

2024-REV2



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Function Card

TPro Series Control Card

Order Code: DB-VWC2-TP-CC



The TPro series control card is the main part of VWC2 TPro to communicate with the host PC for configuration and operation. TPro series supports hot redundancy on 4U / 6U / 8U / 14U / 19U chassis. When there are 2 control cards and both cards connect to the LAN, the control card in the upper slot runs as master by default. Pulling out the control card would not affect the current display on the video wall.

Interfaces

- ◆ 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.

Indicators

1. NET Port Indicator: If the Green light is on, it indicates the port is connected successfully, otherwise fails. Yellow light blinking indicates data switching is successful.
2. Status indicator:
 - 1) M/S: Main & standby indicator light. If the light at the primary card is on it indicates the primary card is operating/activated, if the light at the master card is off that means the slave card is operating/activated.
 - 2) ALM: The alarm indicator light indicates the operation of failure.
 - 3) RDY: Program status indicator. If the light is on it indicates that the program has been loaded and if the light is off it indicates the program is loading or there is some fault.
 - 4) RUN: Activation indicator, if the light is on it indicates that the card is activated, light off indicates failure or abnormal operation.

Parameters

Type	Description	
Physical Interface	NET	
General	RS232	Loop in Baud Rate: 9600; Loop out Baud Rate: 9600, 38400, 115200
		No Parity
		8-bit data bits
		1 stop bit
	Power	7.2W
	Temperature	0–50°C (Running) -55–70°C (Storage)
Appearance	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage), non-condensing
	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series Confidence Monitoring Card (CMC)

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



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

Features

- Support up to monitor 80x output signals per card.
- Support 4x 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 the user.
- Output resolution supports up to 1920x1200@60Hz.
- DVI-I interface, VGA signal can be output by DVI-VGA adapter.

Parameters

Type	Description	
Physical Interface	24+5 pin DVI-I interface x4 (Output VGA signal via adapter)	
General	Output	Support to monitor 80x output signals per card. 4x group video wall monitoring per card at a time.
	Mode	Original aspect ratio mode; full-screen mode
	Output Resolution	1920x1200@60Hz
	Power	40W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage), non-condensing
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series Network Preview Card (NPC)

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



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 helps the user to detect and operate the input source precisely.

Features

- Each card support 64x channels signals preview.
- Support multiple NPC for one chassis.
- Support configuration on-site, plug and play.
- Support firmware upgrades online.

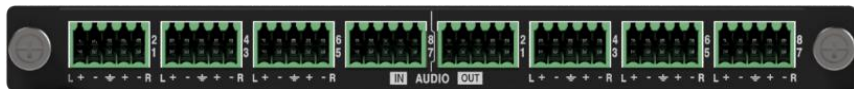
Parameters

Type	Description	
Physical Interface	RJ45 port	
General	NET Output	Support up to 64x channel signals preview per card
	Frame Rate	10 frame/s
	Power	29W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage), non-condensing
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)
Resolution	Source List Preview	480 x 270
	Display Preview	120 x 67.5



TPro Series 8-Channel Audio Card

Order Code: DB-VWC2-TP-IO-AUDIO8



TPro series 8x channels AUDIO card can input and output 8x channels audio signals simultaneously, supports single input switch to single or multiple output channels, and can switch between audio channels in real time dynamically.

Features

- Support 8x channels audio input and 8x channels audio output per card.
- Support single input switch to single or multiple output channels.
- Support to save and recall scenes.
- Support to preview current switching status.
- Support to rename input and output channels.
- Support card hot-swap and configuration recovery after restarting.
- Support online upgrade.

Application

Environment	Description
Software	Suitable for Darwin control system V2.2.4.0 or above
Hardware	Suitable for TPro series 4U/6U/8U/14U/19U chassis
Installation	The card can be installed in any input slot of the chassis

Parameters

Type	Description	
Input / Output Interface	5x balanced Phoenix port	
General	Max. Input Level	+19.5dBu
	Gain error	±0.1dBu @20 Hz–20 kHz
	Max. Output Level	+19.5dBu
	Impedance	Input: >10kΩ Output: 100Ω
	Signal Type	Stereo, balanced, or non-balanced connection
	Input / Output Qty.	8
	Power	12W
	Temperature	0–50°C (Running) -55–70°C (Storage)
Appearance	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage), non-condensing
	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



Input Card

TPro Series 4-Channel DVI Input Card

Order Code: **DB-VWC2-TP-IC-DVI4**



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

Features

- Support video resolution from 640x480@60Hz to 1920x1200@60Hz.
- Auto detection of input video resolution.
- Support signal cropping.
- Advanced EDID management, supporting EDID editing.
- Support configures on-site, plug and play, hot-swappable.
- Support source preview via Network Preview Card.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.
- Support 4x channels 3.5mm audio input with special cable.

Parameters

Type	Description	
Physical Interface	24+5 pin DVI-I portx4 (DVI-D signal only)	
General	Input Signal	DVI 1.0
	Signal Level	V _{diff P-P} : 150mV–1200mV
	Impedance	Z _{diff} : 100Ω
	Max. Resolution	1920x1200@60Hz
	Frame Rate	Max. 1920x1200@60Hz
	Transmission Rate	4.95Gbps (Max)
	Input Channel	4
	Power	12W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage), non-condensing
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 2-Channel Dual-link DVI Input Card

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



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

Features

- Support DVI Dual-link signal input.
- Support video resolution from 640x480@60Hz to 3840x2160@30Hz.
- Auto detection of input signal resolution.
- Support signal cropping.
- Advanced EDID management, supporting EDID editing.
- Support configures on-site, plug and play, hot-swappable.
- Support source preview via Network Preview Card.
- Support input label, allowing for 2x or 4x scaling
- Support 2x channels 3.5mm Jack audio inputs.
- Display the preset blue screen when no signal is input.

Parameters

Type	Description	
Physical Interface	24+5 pin DVI-I port (DVI-D signal only), AUDIO x2	
General	Input Signal	DVI1.0 Standard/Audio
	Signal Level	V _{diff P-P} : 150mV–1200mV
	Impedance	Z _{diff} : 100Ω
	Resolution	3840x2160@30Hz
	Frame Rate	Max. 3840x2160@30Hz
	Max. Transmission Rate	9.9Gbps
	Input Channel	4
	Power	12W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage), non-condensing
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 4-Channel 4K HDMI Input Card

Order Code: DB-VWC2-TP-IC-4KHDMI4



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

Features

- Support HDMI 1.4 protocol, compatible with DVI 1.0 protocol, also support 4K@30Hz signal.
- Support HDCP 1.4 validation.
- Auto detection of input signal resolution.
- Support signal cropping.
- Advanced EDID management also supports EDID editing.
- Support configures on-site, plug and play, hot-swappable.
- Support signal preview via Network Preview Card.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.
- Support embedded audio input.

Parameters

Type	Description	
Physical Interface	HDMI Type A port x4	
General	Input Signal	HDMI 1.4
	Signal Level	150mV-1200mV
	Impedance	Z _{diff} : 100Ω
	Max. Resolution	3840x2160@30Hz
	Frame Rate	Max. 30 frames at 4K resolution
	Max. Transmission Rate	9.0Gbps
	Input Channel	4
	Power	15W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage), non-condensing
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 4-Channel 4K DP Input Card

Order Code: DB-VWC2-TP-IC-4KDP4



TPro series 4x channel 4K-DP input card supports resolution up to 3840x2160@30Hz, automatically adapting various resolutions and optimization for output.

Features

- Support video resolution from 640x480@60Hz to 3840x2160@30Hz.
- Support DP 1.1 protocol, up to 4K@30Hz resolution.
- Backward compatible.
- Support HDCP 1.4 validation.
- Auto detection of input signal resolution.
- Support signal cropping.
- Advanced EDID management, supporting EDID editing.
- Support configures on-site, plug and play, hot-swappable.
- Support source preview via Network Preview Card.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.
- Support embedded audio input.

Parameters

Type	Description	
Physical Interface	DP port x 4	
General	Input Signal	DP 1.1 (maximum data rate 2.7Gbps)
	Signal Level	V _{diff,p-p} : 130mV–1300mV
	Impedance	Z _{diff} : 100Ω
	Max. Resolution	3840x2160@30Hz
	Frame Rate	Max. 30 frames at 4K resolution
	Max. Transmission Rate	10.8Gbps
	Input Channel	4
	Power	17W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage), non-condensing
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 4-Channel 4K HDBaseT Input Card

Order Code: DB-VWC2-TP-IC-4KHDBaseT4



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

Features

- Max. Resolution 3840x2160@30Hz.
- Support signal source cropping.
- Support configures on-site, plug and play.
- Single card supports 4c inputs.
- Support source preview via Network Preview Card.
- Support embedded audio configuration.
- Advanced EDID management also supports EDID editing.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.
- Support POE power supply, as a power supply device, the POE power supply voltage value should be selected according to the requirements of the power receiving device.

Parameters

Type	Description	
Physical Interface	RJ45 port x 4	
	RJ45 Line Sequence	Standard 568A or 568B
	Connection Way	RJ45 direct connection
	Transmission Distance	Max.100 m (Cat 6 twist paired cable)
General	Resolution	Max. 3840x2160@30Hz
	Power	25W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage)
	Card Type	Blade
Appearance	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 2-Channel 4K60 HDMI/DP Input Card

Order Code: DB-VWC2-TP-IC-4K60HDMI/DP2



Support resolution up to 4096x2160@60Hz 4:4:4, 8 bits, support HDMI 2.0 protocol automatically adapting various resolutions and optimization for output.

Features

- Support HDMI2.0/DP 1.4 protocol, HDCP2.2 protocol and backward compatibility, 3840x2160@60Hz signal input.
- Automatically detect resolution changes.
- Support up to 2x signals inputs. (Choose one from ports 1-2 and one from ports 3-4.)
- Support configures on-site, plug and play, hot-swappable.
- Support source preview via Network Preview Card.
- Support embedded audio configuration.
- Advanced EDID management also supports EDID editing.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.

Parameters

Type	Description	
Physical Interface	HDMI Type A port x2, Standard DP port x 2	
General	Input Signal	DP 1.2 and HDMI 2.0
	Signal Level	VdiffP-P: 150mV–1200mV
	Impedance	Z _{diff} : 100Ω
	Max. Resolution	3840×2160@60Hz
	Max. Transmission Rate	18.0Gbps
	Input Channel	2
	Power	32W
Appearance	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage)
	Card Type	Blade
Appearance	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 4-Channel SDI Input Card

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



TPro series 4 channel SDI input card supports resolution up to 1920x1080@60Hz, automatically adapting various resolutions and optimization for output.

Features

- Support 3G-SDI, HD-SDI, and SD-SDI input formats.
- Automatically detect resolution changes.
- Single card supports 4x inputs and has 4 loop-out interfaces.
- Support signal source cropping.
- Support configures on site, plug and play, hot-swappable.
- Support source preview via Network Preview Card.
- Support embedded audio input.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.

Parameters

Type	Description	
Physical Interface	BNC port x8	
General	Input Signal	SD/HD/3G SDI
	Signal Level	Input SDI: 800mVp-p; Output SDI: 800mVp-p
	Impedance	75Ω
	Transmission Rate	2.97Gbps (Max.)
	Input Channel	4
	Power	13W
	Temperature	0–50°C (Running); -55–70°C (Storage)
	Humidity	10%–80% (Running); 10%–90% (Storage)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)
Input Resolution	720 x 480i@60Hz	1920 x 1080p@24 Hz
	720 x 576i@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	



TPro Series 4-Channel VGA Input Card

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



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

Features

- Automatically detect resolution changes.
- Support for automatic image adjustment.
- Support RGB adjustment and brightness, and contrast adjustment.
- Single card supports 4x inputs.
- Support 4 channels 3.5mm audio input.
- Support configures on site, plug and play, hot-swappable.
- Support signal source cropping.
- Support source preview via Network Preview Card.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.

Parameters

Type	Description		
Physical Interface	15-pin D-sub port x4		
Input Signal	RGBHV /CVBS/YpPr signals		
General	Signal Level	RGBHV	0.7 Vp-p
		CVBS	1.0 Vp-p
		YPb/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 (Storage)	
Humidity	10%–80% (Running), non-condensing 10%–90% (Storage)		
Appearance	Card Type	Blade	
	N.W.	0.3Kg	
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (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 (interlaced)	(MAC 21)	1400 x 1050@59Hz
	800 x 600@56Hz	1280 x 720@25Hz	1400 x 1050@60Hz
	800 x 600@60Hz	1280 x 720@30Hz	(Reduce Blanking)
	800 x 600@72Hz	1280 x 720@50Hz	1400 x 1050@75Hz
	800 x 600@75Hz	1280 x 720@60Hz	1440 x 900@60Hz
	800 x 600@85Hz	1280 x 768@50Hz	(Reduce Blanking)
	832 x 624@75Hz (MAC)	1280 x 768@60Hz	1440 x 900@60Hz
	640 x 480@57Hz	(Reduce Blanking)	1440 x 900@75Hz
	640 x 480@60Hz	1280 x 768@75Hz	1440 x 900@85Hz
	640 x 480@72Hz	1280 x 768@50Hz	1600 x 1200@50Hz
	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 (TP)	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	



TPro Series 4-Channel Video Input Card

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



Tpro series 4-channel video input card is suitable for collecting CVBS video signals. It supports NTSC/PAL/SECAM video and adjusts the following parameters: brightness, contrast, horizontal start position, horizontal width, vertical start position, and vertical width.

Features

- Support automatic adaptation to NTSC/PAL/SECAM standards.
- Support the adjustment of brightness, chroma, contrast, grayscale, and saturation.
- Support signal source cropping.
- Support configuration on-site, plug and play.
- Support signal preview via Network Preview Card.
- Support 4x channels audio inputs.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.

Parameters

Type	Description	
Physical Interface	BNC interface x4, AUDIO x4	
General	Input Signal	CVBS /Audio
	Signal Level	1.0V
	Impedance	75Ω
	Input Resolution	PAL 720X576 i 50Hz; PAL-M 720X576 i 50Hz NTSC 720X480 i 60Hz; PAL-N 720X576 i 50Hz SECAM 720X576 i 50Hz; PAL-60 720X576 i 60Hz NTSC-443 720X480 i 60Hz
	Input Channel	8 (CVBS x4, Audio x4)
	Power	15W
	Temperature	0–50°C (Running) -55–70°C (Storage)
Appearance	Humidity	10%–80% (Running) 10%–90% (Storage)
	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 2-Channel IP Decoding Card (H.265)

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



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 supports working signal indicators, IP address modification and firmware upgrades online. Support embedded audio input.

Indicators

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

Video Format

- Support 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 / H.265 format encoding devices.

Decoding Capability

2 RJ45 ports per card, each port with 2x decoding channels. It can be independently set to different 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 views: Support up to 4x channel 3840x 2160@30 signal decoding. Quad views output.
- 9 views: Support up to 9x channel 1920 x 1080@30 signal decoding, 3x3 views output.
- 16 views: Support up to 16x channel 1920 x 1080@30 signal decoding, 4x4 views output.

Parameters

Type	Description	
IP Address	Default IP Address: 192.168.1.203	
Physical Interface	RJ45 port	10M/100M/1000M auto-adaption
	Port Qty	2
	Power	26W
General	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage)
Appearance	Card Type	Blade
	N.W.	0.3Kg



Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)
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TPro Series 2-Channel IP Decoding Card (H.265 4K)

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



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 supports working signal indicators, IP address modification, firmware upgrades online, and embedded audio input.

Indicators

- 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 1x decoding channels. It can be set to diffidence working mode independently. Each channel can be set to different modes as below:

Work Mode	Decoding Capacity	Output
1 view	Support up to 1 channel 4000x3000@25Hz (or 3840x2160@30Hz) signal decoding	Single view, 4K output
2x2 view	Support up to 4x channel 4000x3000@25Hz signal decoding	2x2 view, 4K output
3x3 view	Support up to 9x channel 1920x1080@30Hz signal decoding	3x3 view, 4K output
4x4 view	Support up to 16x channel 1920x1080@30Hz signal decoding	4x4 view, 4K output

Max. decoding capacity is TWO channels 4000x3000@25Hz (or 3840x2160@30Hz) signals, or EIGHT channels 3840x2160@30Hz signals, or THIRTY-TWO channels 1920x1080@30Hz signals.



Parameters

Type	Description	
IP Address	Default IP Address: 192.168.1.203	
Physical Interface	RJ45 Port x2	10M/100M/1000M auto-adaption
	Port Qty	2
General	Power	27W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage)
	Card Type	Blade
Appearance	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 4-Channel HDMI HDR Input Card

Order Code: DB-VWC2-TP-IC-HDMI4-HDR



TPro series 4 channel HDMI HDR input card supports resolution up to 1920x 1080@60Hz, automatically adapting various resolutions and optimization for output.

Features

- Support HDMI 1.3 protocol, compatible with DVI 1.0 protocol, and HDCP 1.4 protocol.
- Support HDR, Max. 12-bit depth per color.
- Backward compatible.
- Support signal source cropping.
- Advanced EDID management, supporting EDID editing.
- Support configures on-site, plug and play, hot-swappable.
- Support source preview via Network Preview Card.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.
- Support interlaced signal input.
- Support embedded audio input.
- Support 4x channels analog audio inputs (3.5mm Jack).

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Parameters

Type	Description	
Physical Interface	HDMI Type A portx4	
General	Physical Interface	HDMI 1.3/DVI 1.0
	Signal Level	Vdiff _{P-P} : 150mV–1200mV
	Impedance	100Ω
	Resolution	1920x1200@60Hz
	Frame Rate	Max. 1920x1200P@60Hz
	Max. Transmission Rate	5.94Gbps
	Input Channel	4
	Power	30W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage), non-condensing
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 2-Channel 4K HDMI HDR Input Card

Order Code: DB-VWC2-TP-IC-4KHDMI2-HDR



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

Features

- Support HDMI 1.4 protocol, compatible with DVI 1.0 protocol, support 4K@30Hz signal.
- Support HDCP validation.
- Support HDR, Max. 12-bit depth per color.
- Backward compatible.
- Support signal source cropping.
- Advanced EDID management, supporting EDID editing.
- Support configures on site, plug and play, hot-swappable.
- Support source preview via Network Preview Card.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.
- Support embedded audio input.
- Support 2x channels analog audio input (3.5mm Jack).

Parameters

Type	Description	
Physical Interface	HDMI Type A port x2	
General	Input Signal	HDMI 1.4/DVI 1.0
	Signal Level	V _{diffP-P} : 150mV–1200mV
	Impedance	Z _{diff} : 100Ω
	Max. Resolution	3840x2160@30Hz
	Frame Rate	Max. 30 frames at 4K resolution
	Max. Transmission Rate	10.7Gbps
	Input Channel	2
	Power	30W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 1-Channel 4K60 HDMI HDR Input Card

Order Code: DB-VWC2-TP-IC-4K60HDMI1-HDR



Support resolution up to 3840x2160@60Hz, support HDMI 2.0 protocol automatically adapting various resolutions and optimization for output.

Features

- Support HDMI 1.4/ HDMI 2.0 protocol, HDCP 2.2 protocol backward compatible, also support 3840x2160@60Hz signal input.
- Support HDR, max. 12-bit depth per color.
- Support signal source cropping.
- Advanced EDID management, supporting EDID editing.
- Support configures on-site, plug and play, hot-swappable.
- Support source preview via Network Preview Card.
- Support input label, allowing for 2x or 4x scaling.
- Display the preset blue screen when no signal is input.
- Support embedded audio input.
- Support 1x channels analog audio inputs (3.5mm Jack).

Parameters

Type	Description	
Physical Interface	HDMI Type A port x1	
General	Input Signal	HDMI 1.4/HDMI 2.0
	Signal Level	VdiffP-P: 150mV–1200mV
	Impedance	Z _{diff} : 100Ω
	Max. Resolution	3840x2160@60Hz
	Frame Rate	Max. 60 frames at 4K resolution
	Max. Transmission Rate	18.0Gbps
	Input Channel	1
	Power	30W
	Temperature	0–50°C (Running) -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 4-Channel HDMI-3D Input Card

Order Code: DB-VWC2-TP-IC-3DHDMI4



Tpro series 4-channel HDMI-3D input card can convert the HDMI 3D signals output by graphic devices such as Blu-ray players into digital signals through a dedicated HDMI signal receiving chip and send them to the processor internally, without external synchronization devices to ensure that the signal frame and clock synchronization to avoid the right and left eye signal error. The image 3D stereo display effect is achieved with the Galileo output card.

Features

- Support HDMI 1.4 protocol, compatible with DVI 1.0 protocol.
- Support 2D/3D mode, with a maximum resolution of 1 920x1080@120hz (Note: The frame rate of the 3D video here refers to the sum of left-eye and right-eye frames, e.g. 120 frames mean left-eye frames + right-eye frames = 120 frames.)
- In 3D mode, it can automatically identify and support 3D video source input in left-right, top-bottom, and frame packing formats.
- Support HDCP authentication.
- Automatically detect resolution changes.
- Single card supports 4x inputs.
- Support signal source cropping.
- Support configures on-site, plug and play.
- Support signal source preview.
- Advanced EDID management, supporting EDID editing.
- Support input label, allowing for 2x or 4x scaling.

- Support embedded audio and 3.5mm audio input.
- Display the preset blue screen when no signal is input.

Parameters

Type	Description	
Physical Interface	HDMI Type A port x2	
General	Input Signal	HDMI 1.4/DVI 1.0
	Signal Level	150mV–1200mV
	Impedance	Z _{diff} : 100Ω
	Max. Resolution	1920x1080@120hz
	Max. Transmission Rate	9.0Gbps
	Input Channel	4
	Power	15W
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 2-Channel 4K HDMI-3D Input Card

Order Code: DB-VWC2-TP-IC-3D4KHDMI2



Tpro series 2-channel HDMI-3D input card can convert the HDMI 3D signals output by graphic devices such as Blu-ray players into digital signals through a dedicated HDMI signal receiving chip and send them to the processor internally, without external synchronization devices to ensure that the signal frame and clock synchronization to avoid the right and left eye signal error. The image 3D stereo display effect is achieved with the Galileo output card.

Features

- Support HDMI 2.0/DP 1.2 protocols and is backward compatible.
- Support 2D/3D mode, with a maximum resolution of 3840x2160@60hz (Note: The frame rate of the 3D video here refers to the sum of left-eye and right-eye frames, e.g. 120 frames mean left-eye frames + right-eye frames = 60 frames.)
- In 3D mode, it can automatically identify and support 3D video source input in left-right, top-bottom, and frame packing formats.
- Automatically detect resolution changes.
- Single card supports 2x inputs.
- Support signal source cropping.
- Support configures on-site, plug and play.
- Support signal source preview.
- Support embedded audio and 3.5mm audio input.
- Advanced EDID management, supporting EDID editing.
- Support input label, allowing for 2x or 4x scaling.

- Display the preset blue screen when no signal is input.

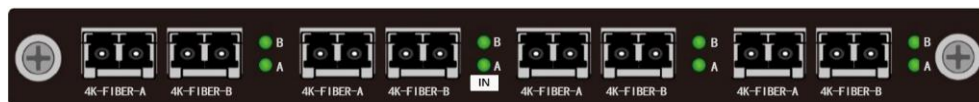
Parameters

Type	Description	
Physical Interface	HDMI Type A port x2, DP standard interface x2	
General	Input Signal	HDMI 1.4/HDMI 2.0
	Signal Level	150mV–1200mV
	Impedance	Z _{diff} : 100Ω
	Max. Resolution	3840×2160@60Hz
	Max. Transmission Rate	18.0Gbps
	Input Channel	2
	Power	32W
	Temperature	0–50°C (Running) -55–70°C (Storage)
Appearance	Humidity	10%–80% (Running) 10%–90% (Storage)
	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 4-Channel 4K Fiber Input Card

Order Code: DB-VWC2-TP-IC-4KFIBER4



Tpro series 4-channel 4K fiber input card can receive video signals transmitted by external optical fiber, convert them into electrical signals through the chip inside the card, and process the input video signals accordingly according to the settings. The card has a total of 8 interfaces, divided into 4 groups, with 1 main (A interface) and 1 backup (B interface) in each group, which enhances the fault tolerance of the system. It supports resolutions up to 3840x2160@30Hz and automatically adapts to resolution changes.

Features

- Maximum supported resolution is 3840x2160@30Hz.
- Single card supports 4x inputs and 4x fiber-optical backups simultaneously.
- Support signal source cropping.
- Support configures on-site, plug and play.
- Support signal source preview.
- Support embedded audio.
- Support master and backup functions. Each group receives the input signal from port A by default and automatically switches to the B port input signal when there is no input signal or abnormal input signal on the A port.
- Display the preset blue screen when no signal is input.
- Support docking with our other optical fiber transmission devices.

Parameters

Type	Description	
Physical Interface	LC type optical fiber interface x8	
General	Max. Resolution	3840x2160@30Hz
	Max. Transmission Rate	6Gbps
	Power	20W
	Temperature	0–50°C (Running) -55–70°C (Storage)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



Output Card

TPro Series 4-Channel Galileo DVI Output Card

Order Code: **DB-VWC2-TP-OC-JDVI4**



The TPro series 4-channel Galileo DVI output card can output DVI signal to display devices. Support resolution up to 1920x1200@60Hz. Each channel supports 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.

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

Features

- Support up to 1920 x 1200@60Hz resolution.
- 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.
- Support 4 channels 3.5mm audio output by DigiBird customized cable.

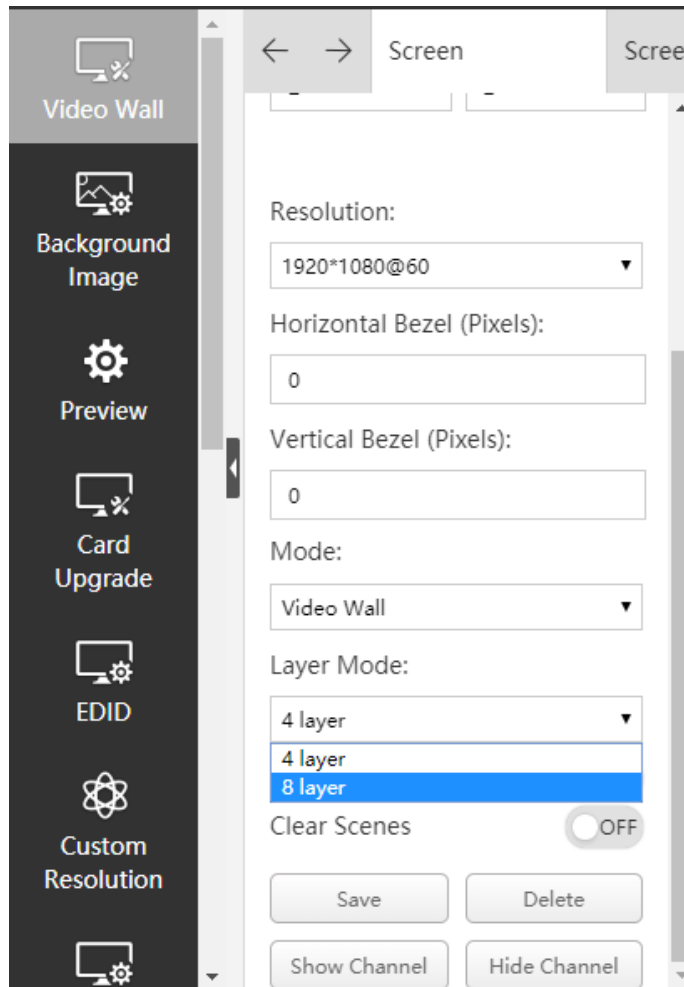
Parameters

Type	Description	
Physical Interface	24+5 pin DVI-I portx4 (can output VGA signal via adapter)	
Specification	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
	Transmission Rate	4.95Gb/s (Max.)
	Output Channel	4
Power	35W	
Temperature	0–50°C (Running); -55–70°C (Storage)	
Humidity	10%–80% (Running); 10%–90% (Storage)	
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



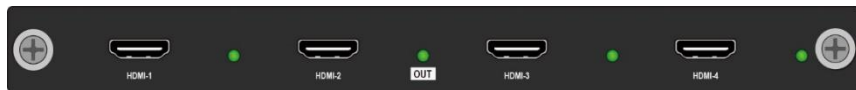
Configuration:

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



TPro Series 4-Channel Galileo HDMI Output Card

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



The TPro series 4 channel Galileo HDMI output card can output HDMI signal to display devices. Support resolution up to 1920x1200@60Hz. Each channel supports 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 the LED wall, to enhance the image quality during scaling (Zoom in, Zoom out).

Features

- 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.
- Support 4 channels embedded audio output.

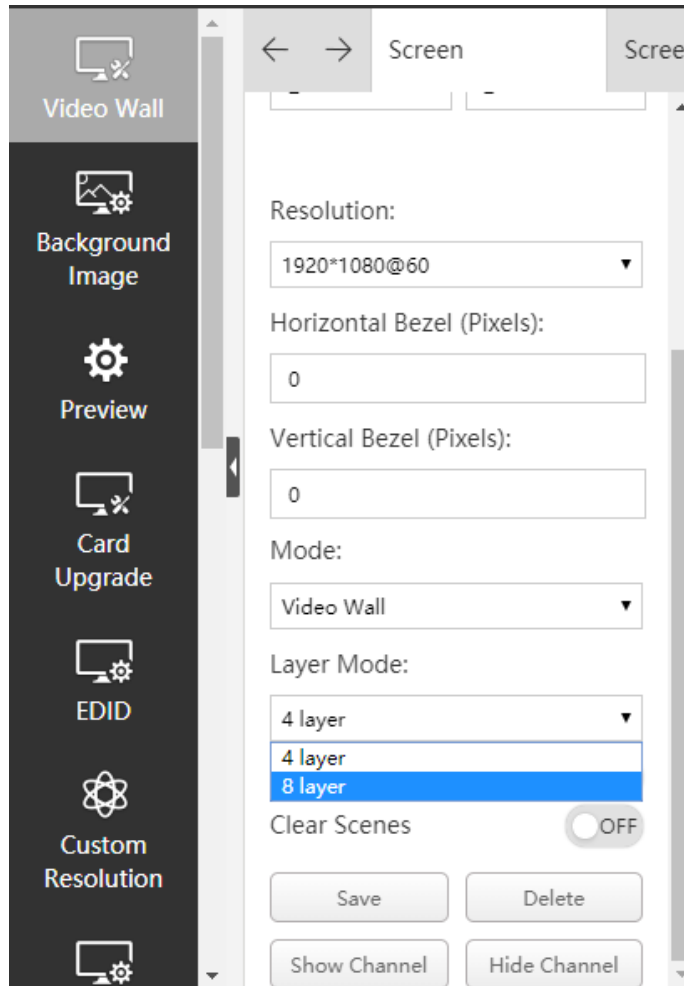
Parameters

Type	Description	
Physical Interface	HDMI Type A Port x 4	
Specification	Transmission protocol	HDMI1.3
	Signal Level	Vdiff _{p-p} : 800mV–1200mV
	Impedance	100Ω
	Max. Resolution	1920x1200@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 (Storage)
	Humidity	10%–80% (Running); 10%–90% (Storage)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



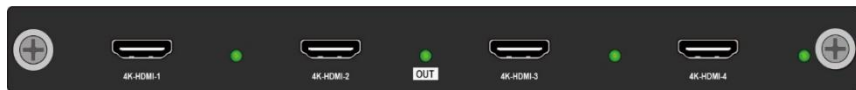
Configuration:

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



TPro Series 4-Channel Galileo 4K HDMI Output Card

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



The TPro series 4 channel Galileo 4K HDMI output card can output a 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 channels will be combined as well the 3rd & 4th channel, you can take output either from 1st channel or 3rd channel.

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

Features

- Support HDCP 1.4 protocol.
- Support 3840x2160@30Hz and backward compatible.
- 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.
- Support 4 channels embedded audio output.

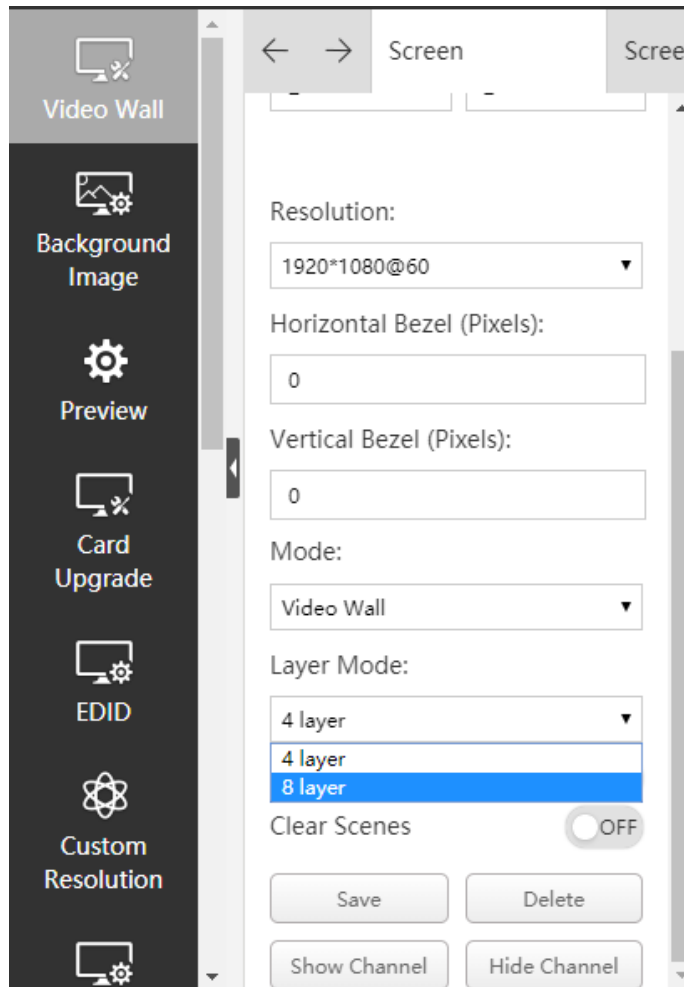
Parameters

Type	Description	
Physical Interface	HDMI Type A Port x 4	
Specification	Transmission Protocol	HDMI 1.4
	Signal Level	Vdiffp-p: 800mV–1200mV
	Impedance	100Ω
	Max. Resolution	3840x2160@30Hz
	Frame Rate	Max. 30 frames at 3840x2160P
	Max. Transmission Rate	10.2Gbps
	Output Channel	4
	Power	40W
	Temperature	0–50°C (Running); -55–70°C (Storage)
	Humidity	10%–80% (Running); 10%–90% (Storage)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



Configuration:

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



TPro Series 2-Channel Galileo 4K60 HDMI Output Card

Order Code: DB-VWC2-TP-OC-J4K60HDMI2



TPro series 2-channel Galileo 4K60 HDMI output card supports a resolution of 3840x2160@60Hz and is backward compatible. Each output channel can open up to 8 windows, and the windows can roam and overlap at will, and multi-channel images can be output synchronously. Compared with ordinary 4K60-HDMI output cards, this card optimizes the video scaling algorithm to meet the needs of small LED spacing and can achieve better display effects when scaling the video.

Features

- Support HDMI2.0 protocol, maximum resolution is 3840x2160@60Hz.
- Support HDCP1.4/ HDCP2.2 protocols.
- The card supports 2x outputs.
- Each output can open 4/8 windows.
- Support embedded audio configuration.
- Stepless scaling algorithm based on multi-phase filtering.
- Window random roaming overlay.
- Multi-channel image synchronous output.
- Support to configure on-site, plug and play.
- Support background image.
- Support output channel echo.
- Support scrolling texts and multi-function banners.

- Support external synchronization.
- Support online upgrade of card firmware.

Parameters

Type	Description	
Physical Interface	HDMI Type A port x2	
	Transmission Protocol	HDMI 2.0
General	Signal Level	800mV–1200mV
	Impedance	100Ω
	Max. Resolution	3840x2160 @60Hz
	Max. Transmission Rate	18Gbps
	Output Channel	2
	Power	40W
	Temperature	0–50°C (Running); -55–70°C (Storage)
	Humidity	10%–80% (Running); 10%–90% (Storage)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 4-Channel Galileo HDBaseT Output Card

Order Code: DB-VWC2-TP-OC-JHDBaseT4



The TPro series 4-channel Galileo HDBaseT output card can transmit DVI/HDMI signals up to 100 meters through Category 5e and Category 6 twisted pair cables. Each output channel can open 4/8 windows (when set to 8 windows, the 2nd/ 4th interface copies the image output of the 1st/ 3rd interface), windows can be roamed and superimposed at will, and multi-channel images can be output synchronously. Compared with ordinary 4-channel HDBaseT output cards, this card optimizes the video scaling algorithm to meet the needs of small LED spacing, which can achieve better display effects when scaling the video.

Features

- Support up to 1920x1200@60Hz resolution.
- Single card supports 4x outputs.
- Each output can open 4/8 windows.
- Stepless scaling algorithm based on multi-phase filtering.
- Window roaming overlay.
- Multi-channel synchronous output.
- Support to configure on-site, plug and play.
- Support POE power supply.
- Support background image.
- Support embedded audio configuration.
- Support output channel echo.
- Support scrolling texts and multi-function banners.
- Support external synchronization.

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- Support online upgrade of card firmware.

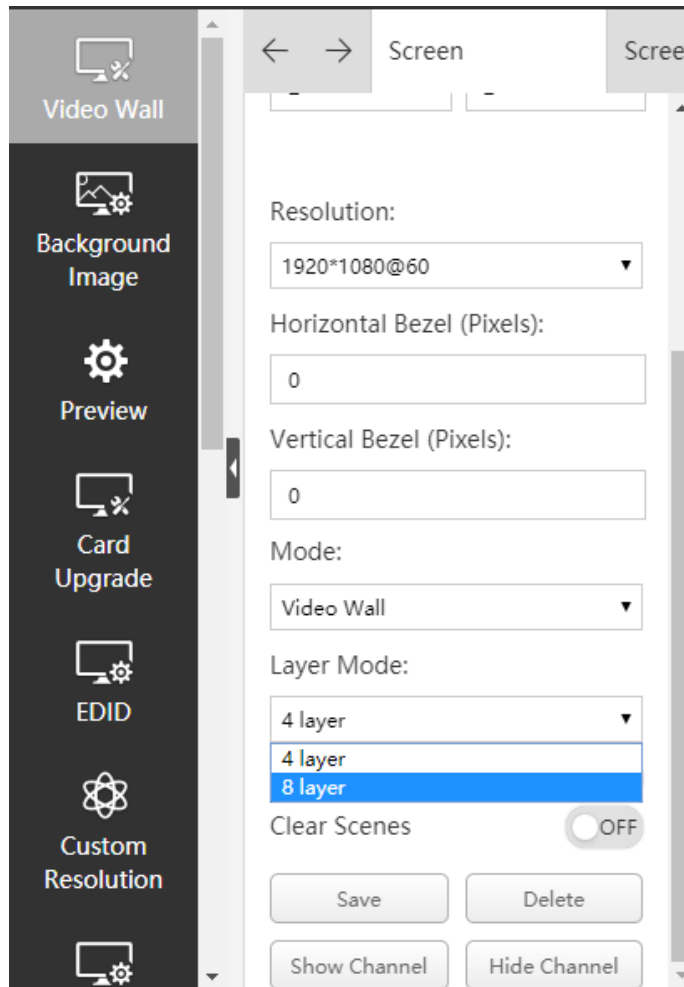
Parameters

Type	Description	
Physical Interface	RJ45 interface x4	
Specification	Transport Protocol	HDBaseT 1.0
	RJ45 Line Sequence	Standard 568A or 568B
	Connection	RJ45 straight-line connection
	Transmission Distance	Max. 100 meters (category 6 twisted pair)
	Max. Resolution	1920x1200@60Hz
	Max. Transfer Rate	5.1Gbps
	Output Channels	4
	Power	39W
	Temperature	0–50°C (Running); -55–70°C (Storage)
	Humidity	10%–80% (Running); 10%–90% (Storage)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2.1 (H)



Configuration:

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



TPro Series 4-Channel 4K HDMI HDR Output Card

Order Code: DB-VWC2-TP-OC-4KHDMI4-HDR



The TPro series 4 channel 4K HDMI HDR output card can output 4K HDMI signal to display devices. Support resolution up to 3840x2160@30Hz. Each channel supports 4/8 layers output, when set to 8 layers, the 2nd and 4th port will duplicate output from the 1st and 3rd port.

Designed to show better performance at LED wall, to enhance the image quality during scaling (Zoom in, Zoom out).

Features

- The card supports the HDCP 1.4 protocol.
- Support 3840x2160@30Hz and backward compatible.
- Support HDR, Max 12-bit depth per color.
- 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.
- Multi ports output with Sync and support synchronization with other signals.
- Support scrolling text.
- Support upgrade online.
- Support to be monitored by CMC card.
- Support 4x channels embedded audio output.
- Support 4x channels analog audio output (3.5mm Jack).

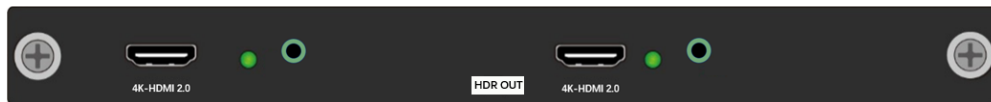
Parameters

Type	Description	
Physical Interface	HDMI Type A port x4	
	Transmission Protocol	HDMI 1.4
General	Signal Level	T.M.D.S. 2.9V–3.3V
	Impedance	50Ω
	Max. Resolution	3840x2160@30Hz
	Frame Rate	Max. 30 frames at 3840x2160P
	Transmission Rate	10.2Gbps (Max.)
	Output Channel	4
	Power	40W
	Temperature	0–50°C (Running); -55–70°C (Storage)
	Humidity	10%–80% (Running); 10%–90% (Storage)
	Appearance	Card Type
N.W.		0.3Kg
Dimension (cm)		20.3 (L) x 22.4 (D) x 2 (H)



TPro Series 2-Channel 4K60 HDMI HDR Output Card

Order Code: DB-VWC2-TP-OC-4K60HDMI2-HDR



The TPro series 2 channel 4K60 HDMI output card can output 4K60 (3840x2160@60Hz) HDMI signal to display devices. Each channel supports 8 layers of output.

Designed to show better performance at LED wall, to enhance the image quality during scaling (Zoom in, Zoom out).

Features

- Support HDMI 1.4 and HDCP 2.0 protocol.
- Support 3840x2160@60Hz and backward compatible.
- Each channel supports 8x 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.
- Support 2x channels embedded audio output.
- Support 2x channels analog audio output (3.5mm Jack).

Parameters

Type	Description	
Physical Interface	HDMI Type A port x2	
General	Transmission Protocol	HDMI 2.0
	Signal Level	800mV–1200mV
	Impedance	100Ω
	Max. Resolution	3840x2160@60Hz
	Frame Rate	Max. 60 frames at 3840x2160P
	Max. Transmission Rate	18Gbps
	Output Channel	2
	Power	40W
	Temperature	0–50°C (Running); -55–70°C (Storage)
	Humidity	10%–80% (Running), non-condensing 10%–90% (Storage)
Appearance	Card Type	Blade
	N.W.	0.3Kg
	Dimension (cm)	20.3 (L) x 22.4 (D) x 2 (H)



Power Supply Unit

Order Code: DB-ACM-PSU-550W



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

Parameters

Type	Description	
General	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 (Storage)
	Altitude	To 5000m (Running)
	Humidity	To 85% (Running) To 95% (Storage)
Appearance	Unit Type	Rectangular
	N.W.	0.8Kg
	Dimension (cm)	22 (L) x 7.5 (D) x 4 (H)



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