

DSCON3000-M

Multi-screen Controller



Features :

- 19" standard 2.5U ATCA industry box
- High speed passive rear panel design, reliable and stable
- Easy and flexible configuration with pluggable card module design
- Support max 32 screens splicing and 3 additional outputs
- 16ch 1080P@25fps or 64ch D1@25fps signal decoding in main control board and 5ch 1080P@25fps or 16ch D1@25fps signal decoding in output cards (using the decoding capability of main control board)
- Provide low latency solution and excellent performance of synchronization
- Redundant power optional and smart temperature controlled fan
- Powerful main control chip inside, ultrahigh data processing capacity and good extensibility
- Support analog/digital video signals input and matrix output
- Support collection of 4K local signal via HDMI interface to achieve the high-definition display
- 2 RJ-45 gigabit network ports for matrix control, preview
- Remote reboot/upgrade/default setting and etc operations

Technical Specification

Model

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System Parameter

Main Processor	Powerful microprocessor
Operating System	Embedded LINUX
Bus	PCI-E
Slot	5(1 Main Control Board Slot, 4 Video Function Board Slot)
Mainframe	Power module (redundant power optional), main control board, PCI-E bus rear panel, smart temperature controlled fan
Video Input Card	Max. 4
Video Output Card	Max. 4

Video Input

VI0201UH-DC3000(HDMI)	Interface	2ch HDMI1.4 support HDCP
	Access Capability	2ch@4K, downward compatibility
VI0801HH-DC3000(HDMI)	Interface	8ch HDMI1.4 support HDCP and I-SYSTEM
	Access Capability	8ch@1080P, support resolution: 1080P/720P/UXGA/SXGA+/SXGA/XGA/SVGA/VGA



VI0401HD-DC3000 (DVI-I)	Interface	4ch DVI-I (support VGA/HDMI1.3 with converter)
	Access Capability	4ch@1080P, support resolution: 1080P/720P/UXGA/SXGA+/SXGA/XGA/SVGA/VGA
VI0401HS-DC3000(3G-SDI)	Interface	4ch BNC
	Signal Format	3G-SDI, 2.97Gbps
	Access Capability	4ch@1080P, downward compatibility
VI3201FB-DC3000 (CVBS)	Interface	2ch DVI-D, 2 BNC interface braided lines which is 16 in 1
	Signal Format	PAL
	Access Capability	32ch@960H or D1

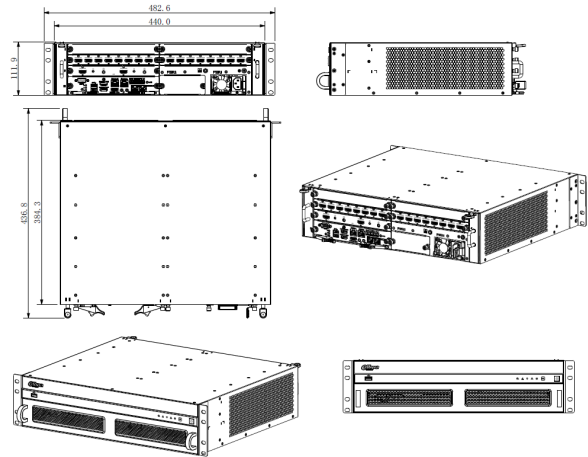
Video Output

VO0801HH-DC3000 (HDMI)	Interface	8ch HDMI1.3
	Split	Max 32 layers
	Decoding Capability (Using the decoding capability of main control board)	2ch@12Mp(15fps)/4ch@4K(25fps)/5ch@1080P(25fps)/8ch@720P(25fps)/16ch@D1(25fps), supporting H.265
	Resolution	1920*1080@30fps/1600*1200@60fps/1400*1050@60fps/1366*768@60fps/1280*720@60fps/1280*1024@60fps/1024*768@60fps
VO0401HS-DC3000(3G-SDI)	Interface	4ch BNC
	Split	Max 32 layers
	Decoding Capability (Using the decoding capability of main control board)	2ch@12Mp(15fps)/4ch@4K(25fps)/5ch@1080P(25fps)/8ch@720P(25fps)/16ch@D1(25fps), supporting H.265
	Resolution	1920*1080@60fps/1920*1080@50fps/1920*1080@30fps/1280*720@60fps
Main Control Board	Interface	3ch HDMI1.3
	Split	Max 32 layers without merging
	Decoding Capability	2ch@12Mp(15fps)/4ch@4K(25fps)/16ch@1080P(25fps)/32ch@720P(25fps)/64ch@D1(25fps), supporting H.265
	Resolution	3840*2160@30fps(max 2ch)/1920*1080@60fps/1280*720@60fps/1280*1024@60fps/1024*768@60fps

Environmental

Power Supply	115V~230V, 47Hz~63Hz(Redundant power optional)
Power Consumption	90W(Minimum system)/360W(Full configuration)
Working Environment	-10°C ~+55°C (14 °F to 131 °F) / 10~90%RH / 86~106kpa
Dimension	2.5U, 482.6 × 436.8 × 111.9 mm (19 × 17.20 × 4.41 inch), (W*D*H)
Weight	≤12.5Kg (27.56 lb) (full configured)

Dimensions (mm/inch)



Video-Wall

VideoWall Splicing	Splicing	Support videowall splicing (max 32 LCD screens splicing and 3 additional outputs)
	Video-Wall	Support Splicing/Zoom/Merge/ Roam/Overlay
	Input Source	HDMI, DVI-I, CVBS, 3G-SDI
	Output Port	HDMI, 3G-SDI
	Control Mode	PC client/Network Keyboard/iPad

Network

Interface	2 RJ-45 ports (10/100/1000M)
Serial Port	3 RS232 ports (RJ45), for console and control 1 RS485 port
USB	1 USB2.0, 2 USB3.0