

# DSCON3000-4U

## Multi-screen Controller



### Features :

- 19" standard 4U ATCA industry box
- High speed passive rear panel design, reliable and stable
- Easy and flexible configuration with pluggable card module design
- 160ch@1080P or 640ch@D1 signal decoding (full configured)
- Redundant power optional and smart temperature controlled fan
- FPGA array framework, built in ultrahigh bandwidth switch matrix, high image processing capacity, flexible data exchange
- Powerful main control chip inside, ultrahigh data processing capacity and good extensibility
- PCI-E bus, high system bandwidth
- Support analog/digital video signals input and matrix output
- Support non-compressed digital signal encoding output
- 2 RJ-45 gigabit network ports for matrix control, preview
- Remote cast analog/digital video onto the video-wall
- Remote reboot/upgrade/default setting and etc operations



### Technical Specification

#### Model

Model	DSCON3000-4U
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#### System Parameter

Main Processor	Powerful microprocessor
Operating System	Embedded LINUX
Bus	PCI-E
Slot	12(2 Main Control Board Slot, 10 Video Function Board Slot)
Mainframe	Power module (redundant power optional), main control board, control board, PCI-E bus rear panel, smart temperature controlled fan
Video Input Card	Max. 10
Video Output Card	Max. 10

#### Video Input

VI0201UH-DC3000(HDMI)	Interface	2ch HDMI1.4 support HDCP
	Access Capability	2ch@4K, downward compatibility
VI0401HH-DC3000(HDMI)	Interface	4ch HDMI1.3 support HDCP
	Access Capability	4ch@1080P, support resolution: 1080P/720P/UXGA/SXGA+/SXGA/XGA/SVGA/VGA

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 convertor)
	Access Capability	4ch@1080P, support resolution: 1080P/720P/UXGA/SXGA+/SXGA/XGA/SVGA/VGA
VI0801HC-DC3000 (HDCVI)	Interface	8ch BNC
	Signal Format	HDCVI (audio/video/control)
VI0401HS-DC3000(3G-SDI)	Interface	4ch BNC
	Signal Format	3G-SDI, 2.97Gbps
VI0801HS-DC3000(HD-SDI)	Interface	8ch BNC
	Signal Format	HD-SDI, 1.485Gbps
VI0801HS-DC3000(HD-SDI)	Interface	8ch BNC
	Access Capability	8ch@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
Network Video	Transfer Protocol	TCP/UDP/RTP/RTSP/RTCP
	Support Device	IPC, NVR, EVS and etc.
	Video Resolution	4K/1080P/UXGA/720P/D1/HD1/2CIF/CIF/QCIF

**Video Output (Without decoding)**

VO0401HH-DC3000 (HDMI)	Interface	4ch HDMI1.3
	Split	Max 32 layers
VO0801HH-DC3000 (HDMI)	Interface	8ch HDMI1.3
	Split	Max 32 layers
VO0401HD-DC3000 (DVI)	Interface	4ch DVI-D
	Split	Max 32 layers
VO0401HS-DC3000(3G-SDI)	Interface	4ch BNC
	Split	Max 32 layers
VO0801HS-DC3000(HD-SDI)	Interface	8ch BNC
	Split	Max 32 layers

**Video Decoding Output**

VO0405UH-DC3000(HDMI)	Interface	4ch HDMI1.4
	Split	1/4/9/16/32, free split
	Decoding Capability	2ch@12Mp(15fps)/4ch@4K(25fps)/16ch@1080P(25fps)/32ch@720P(25fps)/64ch@D1(25fps), supporting H.265
	Resolution	3840*2160@30fps/1920*1080@60fps/1600*1200@60fps/1400*1050@60fps/1366*768@60fps/1280*1024@60fps/1280*720@60fps/1024*768@60fps

**Matrix Switch**

Video Input	Analog Camera, Digital Camera, IPC, NVR, EVS and etc.
IP HD Matrix Switch	1024 IP input, 160ch@1080p, 320ch@720p, 640ch@D1

**Video-Wall**

VideoWall Splicing	Splicing	Support videowall splicing (max 80 LCD display units)
	Video-Wall	Support Splicing/Zoom/Merge/ Roam/Overlay
	Input Source	HD/SD, Digital/Analog (support hybrid input)
	Output Port	HDMI, DVI-D
	Control Mode	PC client/Local GUI/Network Keyboard/iPad

**Network**

Interface	2 RJ-45 ports (10/100/1000M)
Serial Port	4 RS232 ports (1 DB9, 3 RJ45), for console and control 1 RS485 port
USB	3 USB2.0, 1 USB3.0

**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	4U, 482.6 × 437 × 177 mm (19 × 17.2 × 6.97 inch) (W*D*H)
Weight	≤20Kg (44.09 lb) (full configured)

**Dimensions (mm/inch)**

