

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
-------	--------------

System Parameter

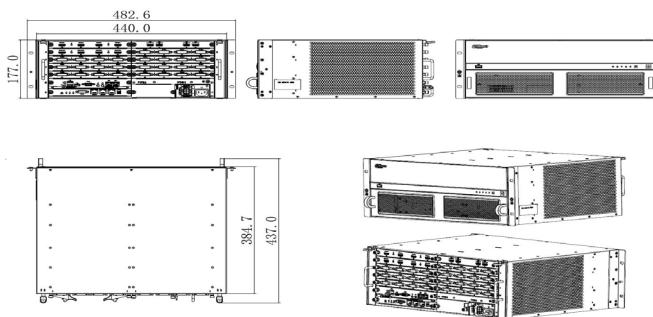
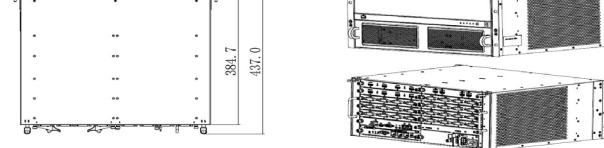
Main Processor	Powerful microprocessor
Operating System	Embedded LINUX
Bus	PCI-E
Slot	12(2 Main Control Board Slot, 10 Video Function Board Slot)
Mainframe	Power module (redundant power optional), main control board, control board, PCI-E bus rear panel, smart temperature controlled fan
Video Input Card	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)	Access Capability	8ch@1080P
	Interface	4ch BNC
VI0401HS-DC3000(HD-SDI)	Signal Format	3G-SDI, 2.97Gbps
	Access Capability	4ch@1080P, downward compatibility
	Interface	8ch BNC
	Signal Format	HD-SDI, 1.485Gbps
	Access Capability	8ch@1080P, downward compatibility

VI3201FB-DC3000 (CVBS)	Interface	2ch DVI-D, 2 BNC interface braided lines which is 16 in 1	Network	
	Signal Format	PAL		
	Access Capability	32ch@960H or D1		
Network Video	Transfer Protocol	TCP/UDP/RTP/RTSP/RTCP	Environmental	
	Support Device	IPC, NVR, EVS and etc.		
	Video Resolution	4K/1080P/UXGA/720P/D1/HD1/2CIF/CIF/QCIF		
Video Output (Without decoding)			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 x 437 x 177 mm (19 x 17.2 x 6.97 inch) (W*D*H) Weight ≤20Kg (44.09 lb) (full configured)	
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	Dimensions (mm/inch) 	
	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		