

DH-M70-4U-E

Multi-service Matrix Platform



Features

- 19" standard 4U ATCA industry box
- Easy and flexible configuration with pluggable card module design
- 320ch@D1 or 80ch@1080P signal encoding (full configured)
- 1280ch@D1 or 320ch@1080P or 40ch@4K signal decoding (full configured)
- Support 40ch@1080P H.265 signal decoding(full configured)
- Support analog/digital video signals input and matrix output
- Support SD/HD video signal matrix switch and output
- Support non-compressed digital signal encoding output

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- 6 RJ-45 gigabit network ports for matrix control, preview and online central storage.
- Support TCP/IP/RTP/RTSP/RTCP/TCP/UDP/DHCP/PPPoE and etc. network protocols
- Remote cast analog/digital video onto the video-wall
- Remote reboot/upgrade/default setting and etc. operations
- Support VGA signal automatic adjustment

Specifications

Model		DH-M70-4U-E
System		
Main Processor	Quad-core embedded microprocessor	
Operating System	Embedded LINUX	
Bus	PCI-E	
Slot	10 service card slots	
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		
DH-VEC0404HD-M70 (DVI-I)	Interface	4ch DVI-I
	Encoding Format	H.264/MPEG4
	Encoding Capability	4ch@1080P, support resolution: 1080P/720P/UXGA/SXGA+ /SXGA/XGA/SVGA/VGA
DH-VEC0404HH-M70 (HDMI)	Interface	4ch HDMI
	Encoding Format	H.264/MPEG4
	Encoding Capability	4ch@1080P, support resolution: 1080P/720P/UXGA/SXGA+ /SXGA/XGA/SVGA/VGA
DH-VEC0404HV-M70 (VGA)	Interface	4ch VGA
	Encoding Format	H.264/MPEG4
	Encoding Capability	4ch@1080P, support resolution: 1080P/720P/UXGA/SXGA+ /SXGA/XGA/SVGA/VGA
DH-VEC3204FB-M70 (CVBS)	Interface	32ch BNC (1.0Vp-p, 75Ω)
	Signal Format	NTSC/PAL self-adaptive
	Encoding Format	H.264/MPEG4
	Encoding Capability	32ch@D1
	Data Ports	2 RS485 ports
DH-VEC0804HC-M70 (HDCVI)	Interface	8ch BNC (1.0Vp-p, 75Ω)
	Signal Format	HDCVI (audio/video/control)

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	Encoding Format	H.264/MPEG4
	Encoding Capability	8ch@1080P
DH-VEC0804HS-M70 (HD-SDI)	Interface	8ch BNC (1.0Vp-p, 75Ω)
	Signal Format	HD-SDI, 1.485Gbps
	Encoding Format	H.264/MPEG4
	Encoding Capability	8ch@1080P
	Data Ports	2 RS485 ports
Network Video	Encoding Standard	H.264/MPEG4/ONVIF/PISA
	Transfer Protocol	TCP/UDP/RTP/RTSP/RTCP
	Support Device	IPC, DVR, NVR, NVS
	Video Resolution	1080P/UXGA/720P/D1/HD1/2CIF/CIF/QCIF
Video Output		
DH-VDC0404UD-M70 (DVI)	Decoding Capability	4ch@12MP(20fps)/4ch@4K/32ch@1080P/64ch@720P/128ch@D1
	Interface	4ch DVI-D
	H.265	4ch@1080P H.265 decoding
	Resolution	4000*3000@15fps,3840*2160@30fps,1920*1080@60fps,1280*1024@60fps,1280*720@60fps, 1024*768@60fps
	Split	1/4/6/8/9/16 (updated soon)
Storage		
DH-VS0201R-M70 (RAID Card)	Storage Capability	2 pcs SAS storage device, support 48 4T HDDs
	Interface	2ch mini SAS
	RAID	RAID0/ RAID1/ RAID5/ RAID6/ RAID10
Matrix Switch		
Video Input	Analog Camera, Digital Camera, IPC, DVR, NVS, NVR and etc.	
IP HD Matrix Switch	2048 IP input, 160ch@1080p, 320ch@720p, 640ch@D1	
Video-Wall		
Decoding Card Video-Wall Splicing	Splicing	Support video-wall splicing (max 40 LCD display units)
	Video-Wall	Support Splicing Zoom/Merge/Roam/Overlay
	Input Source	HD/SD, Digital/Analog (support mix input)
	Output Port	DVI
	Control Mode	Local Operate Menu / PC client-end / Network Keyboard
Network		

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Interface	6 RJ-45 ports (10/100/1000M), 2 in mainboard and 4 in control board
Serial Port	4 RS232 ports (4 RJ45), for console and control 1 RS485 ports
USB	2 USB2.0, 1 USB3.0
Environmental	
Power Supply	DC48V, 47-63Hz AC 100~120V / 200~240V
Power Consumption	≤600W
Working Environment	-10°C ~+50°C / 10~90%RH / 86~106kpa
Dimension	4U, 482.6mm×496mm×177.8mm(W×D×H)
Weight	≤25Kg (full configured)

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×Design and specifications are subject to change without notice.

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