

# M70-4U-E

## Multi-service Video Management Platform



### Features

- 19" standard 4U ATCA industry box
- Easy and flexible configuration with pluggable card module design
- 80ch@1080P or 320ch@D1 signal encoding (full configured)
- 80ch@4K or 320ch@1080P or 720ch@720P or 1500ch@D1 signal decoding (full configured)
- Support 320ch@1080P H.265 signal decoding(full configured)
- Support 80ch@1080P SVAC and 240@D1 nonstandard stream signal decoding(full configured)
- Support max 60 screens splicing
- 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
- 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

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- Support SAS storage board, connecting SAS HDDs case directly, RAID 0/1/5/6/10
- Remote cast analog/digital video onto the video-wall
- Remote reboot/upgrade/default setting and etc. operations
- Support VGA signal automatic adjustment

### Specifications

Model		M70-4U-E
<b>System Parameter</b>		
Main Processor	Quad-core embedded microprocessor	
Operating System	Embedded LINUX	
Bus	PCI-E	
Slot	12(2 Main Control Board Slot, 10 Video and Audio Function Board)	
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	
<b>Video Input</b>		
VEC0404HD-M70 (DVI)	Interface	4ch DVI-I (HDMI & VGA with convertor)
	Encoding Format	H.264/MPEG4
	Encoding Capability	4CH@1080P, support resolution: 1080P/720P/UXGA/SXGA+/SXGA/XGA/SVGA/VGA
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
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
VEC3204FB-M70 (CVBS)	Interface	32ch BNC (1.0Vp-p, 75Ω)
	Signal Format	NTSC/PAL self-adaption
	Encoding Format	H.264/MPEG4
	Encoding Capability	32CH@D1
	Data Ports	2 RS485 ports
VEC0804HC-M70 (HDCVI)	Interface	8ch BNC (1.0Vp-p, 75Ω)

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	Signal Format	HDCVI (audio/video/control)
	Encoding Format	H.264/MPEG4
	Encoding Capability	8CH@1080P
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/DHCP
	Support Device	IPC, DVR, NVR, NVS, Video Matrix
	Video Resolution	1200W/800W/500W/300W/1080P/UXGA/720P/D1/HD1/2CIF/CIF/QCIF
<b>Video Output</b>		
VDC0404UD-M70 (DVI)	Decoding Capability	8CH@12MP(15fps)/8CH@4K/32CH@1080P/72CH@720P/144CH@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	1/4/6/8/9/16/25/36
VDC0605H-M70(HDMI)	Decoding Capability	8CH@12MP(15fps)/8CH@4K/32CH@1080P/72CH@720P/150CH@D1
	Interface	6ch HDMI
	H.265	32ch@1080P H.265 decoding
	Resolution	4000*3000@15fps,3840*2160@30fps,1920*1080@60fps,1280*1024@60fps,1280*720@60fps, 1024*768@60fps
	Split	1/4/6/8/9/16/25/36
<b>Storage</b>		
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

## M70-4U-E

<b>Matrix Switch</b>		
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	
<b>Video-Wall</b>		
Decoding Card Video-Wall Splicing	Splicing	Support video-wall splicing (max 60 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	PC client-end/Local Operate Menu/Network Keyboard/IPAD
<b>Network</b>		
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	3 USB2.0, 1 USB3.0	
<b>Environmental</b>		
Power Supply	100~120V AC, 200~240V AC	
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)	



**Make your life safer**

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×Design and specifications are subject to change without notice.

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