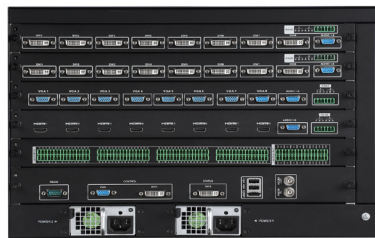


M60-7U

Multi-service Video Management Platform



Technical Specification

Model

Model	M60-7U
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System Parameter

Main Processor	64-bit Quad-core Embedded Microprocessor
Operating System	Embedded LINUX
Bus	PCI-E
Slot	6(1 Main Control Board Slot, 5 Video and Audio Function Board)

System Configuration

Mainframe	Redundant power, Main Control board, PCI-E Bus rear Panel, Smart Temperature Controlled Fan
Video Input Card	Max. 5
Video Output Card	Max. 5
Alarm Card	Optional
Intelligent Analysis Card	Optional
Cascaded Fiber Link Card	Optional

Network Access Capacity

Network Access	8 RJ-45 ports(10/100/1000M) Optical ports Optional
	8Gbps Network Interface Bandwidth
	5000 Cameras Access
	Max.320 1080P@8M Forward capability

Features:

- 19" standard 7U ATCA industry box
- Easy and flexible configuration with pluggable card module design
- Function card supports hot-swap
- DC/AC Power supply
- 80ch@1080P or 160ch@D1 signal encoding (full configured)
- 120ch@4K or 480ch@1080P or 1920ch@D1 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
- Support switch via network keyboard, client-end and etc.
- 8 RJ-45 ports and 8 optical ports (can't be used simultaneously) for matrix control, preview and online central storage.
- Support TCP/IP/RTP/RTSP/RTCP/TCP/UDP/DHCP/PPPoE and etc. network protocols
- Support network extended alarm signal input and output
- Remote cast analog/digital video onto the video-wall
- Remote reboot/upgrade/default setting and etc operations



Matrix Exchange and Splicing Control Capacity

Decoding card Video-Wall Splicing	Splicing	Max 90 splicing screens
	Video Wall	Support Splicing Zoom/Merge/ Roam/Overlay
	Input Source	HD/SD, Digital/Analog (support mix input)
	Output Source	HDMI/DVI/VGA/BNC
	Control Mode	PC client-end/Local Operate Menu/Network Keyboard/IPAD

Video Encoding Input

VEC0804HD-M60 (DVI/VGA/HDMI)	Video Input	DVI-I, standard configuration support VGA, DVI, HDMI via adapter
	Encoding Format	H.264/MPEG4
	Encoding Capacity	8CH@1080P
	Audio Input	8, DB26 interface(2.0Vp-p, impedance:1KΩ)
	Low-speed data interface	2 RS485, Support current speed dome protocol

VEC1604HC-M60 (HDCVI)	Video Input	BNC (1.0VP-P,impedance:75Ω)	VDC0905H-M60 (HDMI)	Decoding Capacity	12CH@12MP(15fps)/12CH@4K/ 48CH@1080p/96CH@720p/ 192CH@D1
	Signal System	HDCVI		Video Output	9CH HDMI
	Encoding Format	H.264/MPEG4		Audio Output	9CH, HDMI embedded audio and 1 DB15(VGA) (2.0Vp-p,1KΩ), G.711a
	Encoding Capacity	16CH@1080P		Division	1/4/6/8/9/16/25/36,custom
	Audio Input	16, Support HDCVI standard, Video and Audio transmission in coaxial cable		Low-speed data interface	2 RS285, 4/2 Alarm in/out
	Low-speed data interface	2 RS485, Support current speed dome protocol, Support Video and Audio transmission in coaxial cable		Decoding Capacity	16CH@12MP(15fps)/16CH@4K/ 64CH@1080p/128CH@720p/ 256CH@D1
VEC1604HS-M60 (HD-SDI)	Video Input	BNC(1.0VP-P,impedance:75Ω)	VDC1205H-M60 (HDMI)	Video Output	12CH HDMI
	Encoding Format	H.264/MPEG4		Audio Output	12CH, HDMI embedded audio and 2 DB15(VGA) (2.0Vp-p,1KΩ), G.711a
	Encoding Capacity	16CH@1080P		Division	1/4/6/8/9/16/25/36,custom
	Audio Input	16, DB26 interface(2.0Vp-p, impedance:1KΩ)		Low-speed data interface	2 RS285, 4/2 Alarm in/out
	Low-speed data interface	2 RS485, Support current speed dome protocol		Decoding Capacity	20CH@12MP(15fps)/20CH@4K/ 80CH@1080p/160CH@720p/ 320CH@D1
VEC3204FB-M60 (CVBS)	Interface	BNC (1.0VP-P,impedance:75Ω)	VDC1505H-M60 (HDMI)	Video Output	15CH HDMI
	Signal System	PAL/NTSC self-adaption		Audio Output	15CH, HDMI embedded audio and 2 DB15(VGA) (2.0Vp-p,1KΩ), G.711a
	Encode Format	H.264/MPEG4		Division	1/4/6/8/9/16/25/36,custom
	Encoding Capacity	32CH@D1		Low-speed data interface	2 RS285, 4/2 Alarm in/out
	Audio Input	32, DB26 interface(2.0Vp-p, impedance:1KΩ)		Decoding Capacity	24CH@12MP(15fps)/24CH@4K/ 96CH@1080p/192CH@720p/ 384CH@D1
	Low-speed data interface	2 RS485, Support current speed dome protocol		Video Output	18CH HDMI
VEC1604HF-M60 (Fiber Video)	Optical Module	SFP	VDC1805H-M60 (HDMI)	Audio Output	18CH, HDMI embedded audio and 2 DB15(VGA) (2.0Vp-p,1KΩ), G.711a
	Fiber Interface	LC		Division	1/4/6/8/9/16/25/36,custom
	Encoding Format	H.264/MPEG4		Low-speed data interface	2 RS285, 4/2 Alarm in/out
	Encoding Capacity	16CH@1080P		Decoding Capacity	32CH@1080P/128CH@D1
	Audio Input	16, DB26 interface(2.0Vp-p, impedance:1KΩ)	Video Output	24CH BNC	
	Low-speed data interface	2 RS485, Support current speed dome protocol	Audio Output	12CH line out, DB15, for the corresponding 1-12CH video output	
			VDC2404B-M60 (CVBS)	Division	1/4/6/8/9/16/25/32,custom
				Low-speed data interface	2 RS485, Support current speed dome protocol

Video Decoding Output

M60-7U

System Cascade

VFC0804JF-M60	Optical Module	8, SFP external
	Interface	LC, (8 in single board)
	Cascade Capacity	16CH@1080P(30fps) or 64CH@D1, Support Ethernet and direct transmission via RS485

Main Control Interface

Output Interface	1, VGA and DVI
Communication Interface	8, RJ45(1000M) or 8, SFP(Alternative)
Serial Interface	1, RS-232, For the parameter configuration, device maintain, transparent channel
USB	4, USB2.0, 2 in each side of front and after
Expansion Interface	1, Esata

Others

Power	48V, 47-63Hz, DC or 100~120V and 200~240V, AC
Power Consumption	≤800W
Operating Temperature	0C~ +50C (32 °F to 122 °F)
Operating humidity	10~90%RH / 86~106kpa
Dimension(mm)	7U, 482.6×496×310.3mm(19 × 19.53 × 12.22 inch), (W*D*H)
weight	≤25Kg(55.12 lb)(full configured)

Ordering Information

Type	Part Number	Description
Video Management Platform	M60-7U	4K, H.265 & Ultra powerful decoding capacity

Dimensions (mm/inch)

