M60-12U

Multi-service Video Management Platform

Features:

- 19" standard 12U ATCA industry box
- Easy and flexible configuration with pluggable card module design
- Function card supports hot-swap
- 80ch@1080P signal encoding (full configured)
- 60ch@32MP(25fps) or 240ch@8MP(25fps) or 960ch@1080P or 3840ch@D1 signal decoding (full configured)
- Support digital/network video signals input and matrix output
- Support 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 and etc. network protocols
- Remote cast analog/digital video onto the video-wall
- Remote reboot/upgrade/default setting and etc operations

| Roaming | Multi-segmentation | USB | 4K Decoding | H.265 | Slots | NOISE |

Technical Specification

Model

Model	M60-12U

System Parameter

Main Processor	64-bit Quad-core Embedded Microprocessor
Operating System	Embedded LINUX
Bus	PCI-E, LAN
Slot	11(1 Main Control Board Slot, 10 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. 10
Video Output Card	Max. 10
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

Matrix Exchange and Splicing Control Capacity

Decoding card Video-Wall Splicing	Splicing	Max 180 splicing screens
	Video Wall	Support Splicing Zoom/Merge/Roam/Overlay
	Input Source	Digital/Network (support mix input)
	Output Source	HDMI/BNC
	Control Mode	WEB/Local GUI/Video Platform/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 (reserved), DB15 interface(2.0Vp-p, impedance:1KΩ)
	Low-speed data interface	2 RS485, Support current speed dome protocol

Video Decoding Output

VDC0905H-M60 (HDMI)	Decoding Capacity	3CH@32MP(25fps)/12CH@8MP/48CH@1080p/96CH@720p/192CH@D1
	Video Output	9CH HDMI
	Audio Output	9CH, HDMI embedded audio and 1 DB15(reserved)
	Division	1/4/6/8/9/16/25/36,custom
	Low-speed data interface	2 RS285, 4/2 Alarm in/out
VDC1205H-M60 (HDMI)	Decoding Capacity	4CH@32MP(25fps)/16CH@8MP/64CH@1080p/128CH@720p/256CH@D1
	Video Output	12CH HDMI
	Audio Output	12CH, HDMI embedded audio and 2 DB15(reserved)
	Division	1/4/6/8/9/16/25/36,custom
	Low-speed data interface	2 RS285, 4/2 Alarm in/out
VDC1505H-M60 (HDMI)	Decoding Capacity	5CH@32MP(25fps)/20CH@8MP/80CH@1080p/160CH@720p/320CH@D1
	Video Output	15CH HDMI
	Audio Output	15CH, HDMI embedded audio and 2 DB15(reserved)
	Division	1/4/6/8/9/16/25/36,custom
	Low-speed data interface	2 RS285, 4/2 Alarm in/out
VDC1805H-M60 (HDMI)	Decoding Capacity	6CH@32MP(25fps)/24CH@8MP/96CH@1080p/192CH@720p/384CH@D1
	Video Output	18CH HDMI
	Audio Output	18CH, HDMI embedded audio and 2 DB15(reserved)
	Division	1/4/6/8/9/16/25/36,custom
	Low-speed data interface	2 RS285, 4/2 Alarm in/out
VDC1204B-M60 (CVBS)	Decoding Capacity	32CH@1080P/128CH@D1
	Video Output	12CH BNC
	Audio Output	12CH line out, DB15(reserved)
	Division	1/4/6/8/9
	Low-speed data interface	2 RS485, Support current speed dome protocol

System Cascade

VFC0804JC-M60	Optical Module	8, SFP internal
	Interface	FC, (2 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

Others

Power	100~127V AC and 200~240V AC, 50/60Hz
Power Consumption	≤800W
Operating Temperature	0℃~ +50℃ (32 °F to 122 °F)
Operating humidity	10~90%RH / 86~106kpa
Dimension(mm)	12U, 482.6 × 481.6 ×533mm(19 × 18.96 × 20.98 inch), (W*D*H)
Weight	≤40Kg (88.18 lb) (full configured)

Ordering Information

Type	Part Number	Description
Video Management Platform	M60-12U	8K & H.265 ultra powerful decoding capacity

Dimensions (mm/inch)