![Dahua Technology logo]

M70-4U-E (only for Peru Project)
Multi-service Video Management Platform

Features：

• 19" standard 4U ATCA industry box
• Easy and flexible configuration with pluggable card module design
· 40ch@1080P signal encoding (full configured)
· 20ch@32MP or 80ch@8MP or 320ch@1080P or 720ch@720P or 1280ch@D1 signal decoding (full configured)
· Support 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/ iSCSI (SMTP customized) and etc. network protocols. Support ONVIF.· Remote cast analog/digital video onto the video-wall
· Remote reboot/upgrade/default setting and etc. operations
· Support panoramic cameras
· Supports UHD software that is installed on a computer or workstation through the network, allowing desktop sharing. This is a permanent license with no recurring or maintenance costs.

[Icons: Roaming | Multi-segmentation | USB | 4K Decoding | 4K Collection | H.265 | Slots | NOISE]

Technical Specification

Model

Model	
Model	M70-4U-E

System Parameter

Main Processor	Quad-core embedded microprocessor
Operating System	Embedded LINUX. For security, stability, efficiency and ease of development and maintenance.
Bus	PCI-E
Slot	12(2 Main Control Board Slot, 10 Video and Audio Function Board)
Mainframe	Power module (with redudant power), main control board, control board, PCI-E bus rear panel, smart temperature controlled fans, VGA port.
Video Input Card	Max. 10
Video Output Card	Max. 10

Video Input

VIC0201UH-M70 (HDMI)	Interface	2ch HDMI1.4 support HDCP
	Access Capability	2ch@4K, downward compatibility

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

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

Video Output

VDC0605H-M70(HDMI)	Decoding Capability	2CH@32MP(25fps)/8CH@12MP (15fps)/8CH@4K(25fps)/32CH@1080P/72CH@720P/128CH@D1
	Interface	6ch HDMI (Interfaces 2/3/5/6 support 4K resolution, others support 1080P)
	Output Resolution	4096*2160@24fps, 3840*2160@30fps, 1920*1080@60fps, 1280*1024@60fps, 1280*720@60fps, 1024*768@60fps
	Split	1/4/6/8/9/16/25/36, free split

Video-Wall

Decoding Card Video-Wall Splicing	Splicing	Support video-wall splicing (max 60 LCD display units)
	Video-Wall	Support Splicing/Zoom/Merge/Roam/Overlay
	Video Input	HDMI/DVI
	Video Output	HDMI
	Audio Output	HDMI (embedded)
	Control Mode	WEB/Local GUI/Video Platform/Network Keyboard/iPad

Network

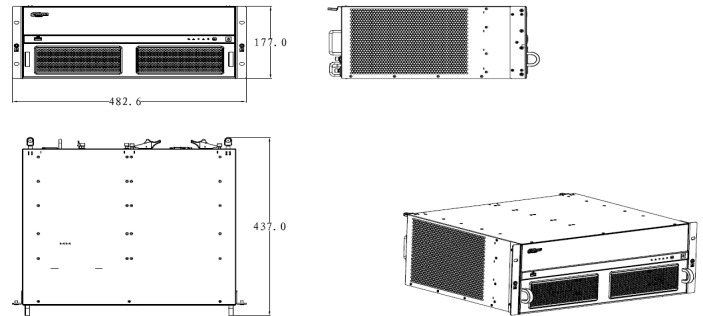| Interface	6 RJ-45 ports (10/100/1000M), 2 in mainboard and 4 in control board
Serial Port	4 RS232 ports (4 RJ45), for connection, and operation 1 RS485 port
USB	3 USB2.0, 1 USB3.0

Environmental

Power Supply	100~240V AC, 50/60Hz
Power Consumption	≤600W
Working Environment	-10°C ~+50°C / 10~90%RH / 86~106kpa
Dimension	4U, 482.6 × 437.0 ×177.0mm(19.0 × 17.2 × 7.0 inch), (W*D*H)
Weight	≤25Kg (full configured)

Ordering Information

Type	Part Number	Description
Video Management Platform	DHI-M70-4U-E	4K, H.265 Decoding
	M70-4U-E	4K, H.265 Decoding

Dimensions (mm/inch)

Functions

· Video wall control and management software.
· Supports direct decoding of IP cameras and video recorders.
· Supports camera processing with H.265 and H.264 compression.
· Supports ONVIF protocol for camera connection.
· Supports decoding of panoramic cameras.
· Support PTZ camera control.
· Digital video capture capability via HDMI, DVI, and VGA connections.
· Support Audio capture.
· Remote system control through a web interface.
· Ability to place captured images anywhere within the display array or video wall.
· Ability to resize captured images.
· Supports screen divisions of 4/6/8/9/16/25.
· Supports on/off control of video wall monitors.
· Supports alarms related to the server's operating status.
· Supports logging of system events and alarms.
· Supports management of cameras and recording devices for efficient and fast control of video signals displayed on the video wall array.
· Supports recording of different video wall templates.
· Allows placement of static or moving messages on the video wall.
· Supports system backups and restores.