

- ▶ Up to 24 CH real-time live display
- ▶ Up to 360 Mbps throughput
- ▶ 8/16 PoE Port with 802.3af/at capability
- ▶ WAN port up to 2.5G and LAN port up to 1G
- ▶ M.2 Expansion Interface
- ▶ DisplayPort 1.4 and HDMI 2.0b Video Output



Features Expandability

M series NVR is equipped with M.2 (M-key) interfaces, that allow the system to be adapted to user's needs. These interfaces provides flexibility to add features, such as video analytics module or other extended functions. We also provide HAILO Modules as optional peripherals for VA.



PoE Management

User can use the POE Management interface to monitor or configure POE power consumption, network connection quality, and control the POE power. With this function helps reduce extra devices and cost during installation.



Features

- ▶ H.264/H.265 recording and playback
- ▶ 3MP/5MP/4K IP camera support
- ▶ Support 4K2K/1080P local display output
- ▶ Per channel recording configuration
- ▶ Quick to mark and export video during playback
- ▶ Display layout customizable by user
- ▶ Easy to control PTZ with mouse or exclusive joystick
- ▶ Easy to adjust IPCAM parameters on NVR's UI
- ▶ Easy to search and insert IPCAM on NVR's UI
- ▶ Easy to manage PoE and switch on NVR's UI
- ▶ System event management(Temperature, FAN, HDD error)
- ▶ System status monitor (CPU, Memory, Network, HDD)
- ▶ Support video analytics module(*)
- ▶ iSCSI NAS Storage support (16 port model only)
- ▶ VA event management
- ▶ VCA (video content analysis) report

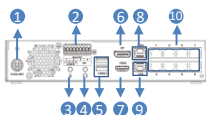
(*optional)

Specification

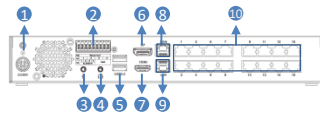
MODEL NAME	M0-04A	M0-08A	M4-16A	M1-16A
System				
Operation System	Linux / Windows 10 LTSC			
CPU	Intel® Alder Lake N97 (Optional : N50, x7213E, x7425E)			
RAM	LPDDR5, 4GB x2 (Optional : 8GB x2)			
Boot Drive	eMMC Flash, 32GB (Optional : 64GB, 128GB, 256GB)			
Graphics	Intel Gen12 UHD Graphics			
AI Accelerator	Intel® Gaussian & Neural Accelerator 3.0 (GNA)			
Display Port Output	x1, Up to 4096x2304 @60Hz (DP 1.4)			
HDMI Output	x1, Up to 4096x2160 @60Hz (HDMI 2.0b)			
Audio Input	MIC-in, 3.5 mm x1, TRS phone jack			
Audio Output	Line-out, 3.5 mm x1, TRS phone jack			
USB Port	USB 2.0 x2 (front) ; USB 3.2 x2 (rear)			USB 2.0 x3 (front) ; USB 3.2 x2 (rear)
Recording / Playback*				
IPCAM Throughput	Average : 40Mbps Peak : 80Mbps	Average : 80Mbps Peak : 160Mbps	Average : 160Mbps Peak : 320Mbps	
GPU Hardware Decoding (with Linux DynaColor_VMS)	12CH real-time display Up to 360 fps@D1 decoding		24CH real-time display Up to 720 fps@D1 decoding	
Compression Format	H.264 / H.265			
Storage and I/O				
SATA Interface	3.5" SATA x2			3.5" SATA x4
Digital Input*	(Optional: Input level +/- 24Vdc, Terminal Block x4)			
Relay Output*	(Optional: 24V, 1A, Solid State Relay, Terminal Block x4)			
COM Port*	(Optional: RS-232, Terminal Block x1)			
Others*	(Optional: RS-485, Terminal Block x1)			
Internal Scalable Hardware Interface				
M.2	M.2 Slot x1 (M-key)			
USB2.0	USB2.0 x1 (Pin Header)			
Network				
WAN Uplink	RJ-45 x1, 10/100/1000/2500 Mbps			
LAN Uplink	RJ-45 x1, 10/100/1000 Mbps			
LAN port with POE	RJ-45 x4, 10/100 Mbps	RJ-45 x8, 10/100 Mbps	RJ-45 x16, 10/100 Mbps	
PoE Level	IEEE 802.3 af/at x4	IEEE 802.3 af/at x8	IEEE 802.3 af/at x16	
PoE total Power budget	120W		240W	240W
PoE & Switch Management	Windows 10 SDK / Linux SDK			
General				
Unit Dimensions (mm)	220 x 280 x 44		300 x 280 x 44	428 x 434 x 44
Unit Weight (kg)	1.94		2.38	5.62
Package Dimensions (mm)	426 x 379 x 110		495 x 345 x 110	565 x 555 x 170
Package Weight (kg)	3.35		4.64	7.54
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F			
Operation Relative Humidity	10% ~ 90% Non-condensing			
System Power Supply	100~240Vac, 180W, 56V/3.2A (Optional: 130W, 56V/2.3A)		100~240Vac, 310W, 56V/5.5A (Optional: 250W, 56V/4.4A)	AC 100~240V, 420W (53V/280W, 12V/140W)

* Optional

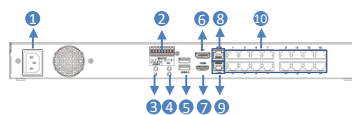
Rear Panel



M0-08A



M4-16A



M1-16A

1. Power Jack
2. Alarm I/O
3. Mic In
4. Line Out
5. USB 3.0 Ports
6. Display Port
7. HDMI Monitor
8. WAN (RJ45) 10/100/1000/2500 Mbps
9. LAN (RJ45) 10/100/1000 Mbps
10. LAN with PoE (RJ45) 10/100 Mbps

¹ Product specification and availability subject to change without notice

² Certain product names mentioned herein may be trade names and / or registered trademarks of their companies