

IL-AIO-M SERIES



IRONLINK® CLOUD MANAGED ALL-IN-ONE AI NVR FOR MILESTONE

PRODUCT OVERVIEW

The IL-AIO-M is an intelligent IP video surveillance appliance purpose-built for Milestone XProtect® that provides scalability and high tech security features in one unit. This solution combines a managed switch, PoE, storage, and AI accelerator options, all bundled with health monitoring for edge video recording and viewing. Models include 8, 16, and 24-port appliances with a 12th Gen Intel® Core™ processor. More than an NVR, these appliances offer a low total cost of ownership and leverage Canopy Cloud RMM at no extra cost for remote device management that significantly reduces truck rolls to customer sites, saving time and money.



KEY FEATURES

-  Up to 96TB of Raw Storage
-  12th Gen Intel® Core™ Processor
-  Built-in 8/16/24 PoE Port, 802.3af/at
-  Powered by the Hailo-8 Inferencing Module
-  4-Stream Perpetual CVEDIA License Included
-  Milestone Preloaded and License-Ready
-  Canopy Remote Management Onboard
-  3-Year NBD Advanced Replacement with KYHD



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FEATURES

- ★ H.264/H.265 recording and playback
- ★ 3MP/5MP/4K IP camera support
- ★ (2) Built-in HDMI and (1-2) DisplayPort outputs
- ★ Supports 4K/2K/1080p local display output
- ★ Built-in 8/16/24 PoE port, 802.3af/at
- ★ (2) Built-in 2.5G WAN and 1/2x Giga LAN ports
- ★ Built-in USB 3.2, Gen II
- ★ (3-4) Built-in M.2 interface for feature expandability
- ★ Built-in digital-input / relay-out + RS232/RS485
- ★ Display layout customizable by user
- ★ System status monitor (CPU, Memory, Network, Fan, HDD, Temperature)
- ★ Supports PoE management + power budget control
- ★ iSCSI NAS Storage support (16/24 port model only)
- ★ VA event management
- ★ VCA (video content analysis) report
- ★ Support TPM 2.0 (FIPS 140-2*/FIPS 140-3*)
- ★ Standard PCIe card supporting for specific function
- ★ Up to 128 CH real-time live display or playback



IL-AIO-M SERIES SPECIFICATIONS

MODEL NAME	IL-AIO-M-8PH	IL-AIO-AI-M-16PH	IL-AIO-AI-M-24PH
System			
Operating System	Embedded Windows® 10 / Ubuntu® Linux		
CPU	Intel® Alder Lake i3, i7 (Optional: i5)	Intel® Alder Lake i5 (Optional: i3/i7)	Intel® Alder Lake i7, i9 (Optional: i3/i5)
RAM	(2) DDR5, 8GB Optional: (2) 16GB		
Boot Drive (PCIe x4)	M.2 SSD, 512GB		
Graphics	Intel® UHD Graphics 730 / 770		
AI Accelerator	Hailo-8 Inferencing Module		
DisplayPort Output	(1) Up to 7680x4320 @60Hz	(2) Up to 7680x4320 @60Hz	
HDMI Output	(2) Up to 4096x2160 @60Hz		
Audio Input	(1) 3.5 mm TRS Jack		
Audio Output	(1) 3.5 mm TRS Jack		
USB Port	FRONT: (2) USB 2.0; (2) USB 3.2 REAR: (1) USB 3.2, Type-C	FRONT: (2) USB 2.0; (1) USB 3.2 REAR: (1) USB 3.2; (1) USB 3.2, Type-C	
Recording + Playback*			
IPCAM Throughput	Average: 320Mbps Peak: 420Mbps (with i3)	Average: 640Mbps Peak: 840Mbps (with i5)	
GPU Hardware Decoding	64CH real-time display (with i3) Up to 1920 fps @ D1 decoding	128CH real-time display (with i5) Up to 3840 fps @ D1 decoding	
Compression Format	H.264 / H.265		
Storage + I/O			
SATA Interface	(1) 3.5" SATA	(4) 3.5" SATA	
eSATA Interface	(1) eSATA	N/A	
Hardware RAID*	N/A		
M.2 Interface (M-Key)	(1) PCIe x4; (2) PCIe x2	(3) PCIe x4; (1) PCIe x2	
Digital Input*	Optional: (4) Input level +/- 24V DC, Terminal Block		
Relay Output*	Optional: (1) 24V, 1A, Solid State Relay, Terminal Block		
COM Port*	Optional: (1) RS-232/RS485, Terminal Block		
Network			
WAN Uplink	(2) RJ-45, 10M/100M/1G/2.5G bps		
LAN Uplink	(1) RJ-45, 10/100/1000 Mbps	(2) RJ-45, 10/100/1000 Mbps	
LAN Port with PoE	(8) RJ-45, 10/100 Mbps	(16) RJ-45, 10/100 Mbps	(24) RJ-45, 10/100 Mbps
PoE Level	(8) IEEE 802.3 af/at	(16) IEEE 802.3 af/at	(24) IEEE 802.3 af/at
Total PoE Budget	120W	240W	360W
PoE + Switch Management	Windows® 10 SDK / Linux SDK		
General			
Unit Dimensions	220 mm x 244 mm x 44 mm	428 mm x 435 mm x 44 mm	
Unit Weight	1 kg	4.5 kg	
Operating Temperature	32°F ~ 104°F / 0°C ~ 40°C		
Operating Rel. Humidity	10% ~ 90% (non-condensing)		
System Power Supply	100 ~ 240V AC, 250W (56V / 4.46A)	AC 100 ~ 240V, 420W (53V / 280W, 12V / 140W)	AC 100 ~ 240V, 520W (53V / 360W, 12V / 160W)