

IL-AIO-M SERIES

IRON LINK 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



Images displayed are for general reference only and may differ based on build. Product specifications are provided for informational purposes only, and are subject to change, correction, or revision without notice. It is the customer's responsibility to validate product specifications prior to purchase or installation, and to ensure that those specifications are suitable for a particular use. Please refer to velasea.com or contact your sales representative for the latest Iron Link products, specs, and upcoming releases. Intel®, Core™, and the Intel® logo are trademarks of Intel Corporation. Microsoft® and Windows® are trademarks of Microsoft Corporation. Ubuntu® and the Ubuntu® logo are trademarks of Canonical Corporation. The Canopy logo is a trademark of Banyan Hills Technologies.

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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*)



IL-AIO-M SERIES SPECIFICATIONS

MODEL	IL-AIO-M-8PH	IL-AIO-M-16PH	IL-AIO-M-24PH		
System					
Operating System	Windows® 10 IoT / 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	M.2 SSD, PCIe x4, 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) MIC-in, 3.5 mm, TRS phone jack				
Audio Output	(1) Line-out, 3.5 mm, TRS phone jack				
USB Port	(2) USB 2.0; (2) USB 3.2; (front) (1) USB 3.2, Type-C (rear)	(2) USB 2.0; (1) USB 3.2 (front) (1) USB 3.2; (1) USB 3.2, Type-C (rear)			
Recording / Playback*					
IPCAM Throughput	Average: 320Mbps (with i3) Peak: 420Mbps (with i3)	Average: 640Mbps (with i5) 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: (4) 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/2.5 Gbps				
LAN Uplink	(1) RJ-45, 10/100/1000 Mbps	(2) RJ-45, 10/100/1000 Mbps			
LAN + 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		
PoE Budget	120W	240W	360W		
PoE + Switch Management	Windows® 10 SDK / Linux SDK				
General					
Unit Dimensions (mm)	220 x 244 x 44	428 x 435 x 44			

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