



VV-AIO-SERIES

Velocity Vision All-in-One NVR



Best server, switch, storage appliance solution for reliable, efficient and cost-effective edge recording with optional AI acceleration capabilities.

Hirsch's Velocity Vision All-in-One (AIO) Network Video Recorder (NVR) Series are intelligent IP video surveillance appliances that provide a scalable, secure solution that combines managed switch, PoE, storage AI acceleration options, and health monitoring for edge recording and video viewing. Models include 8, 16, and 24 port appliances with Intel 12th Generation Core Processors and are pre-loaded with Velocity Vision.

More than an NVR, these appliances have a low total cost of ownership and optionally can leverage Canopy Cloud Management for remote device management which will significantly reduce truck rolls to customer sites.

- **Built-in 8/16/24 PoE port, 802.3af/at**
- **30W AI Ready Appliance**
- **Storage up to 80TB (AIO-8: up to 20TB)**
- **Windows IOT / Linux**
- **3 Year NBD Warranty**
- **Trusted Platform Module (TPM)**

VV-AIO-8P / VV-AIO-16P / VV-AIO-24P

Product Specifications

Model:	VV-AIO-8	VV-AIO-16	VV-AIO-24
System			
Operating System	Windows 10 IOT 2021 / Linux		
CPU	Intel 12th Generation Core Processors		
RAM	Core i3,5,7: 16GB DDR5 Core i9: 32GB DDR5		
Boot Drive	M.2 SSD 512 GB		
Graphics	Intel® UHD Graphics 730 / 770		
AI Accelerator (Supported)	Hailo-8 (Up to 2)	Hailo-8 (Up to 4)	
Display Port Output	Up to 7680x4320 @60Hz		
HDMI Output	Up to 4096x2160 @60Hz, x2	Up to 4096x2160 @60Hz, x3	
Audio Input	MIC-in, 3.5 mm x1		
Audio Output	Line-out, 3.5 mm x1		
USB Port	USB2.0 x2; USB3.2 x2; (front) USB3.2 Type-C x1 (rear)	USB2.0 x2 ; USB3.2 x1 ; (front) USB3.2 x1 ; USB3.2 Type-C x1 (rear)	
Storage & I/O			
Max Storage	Up to 20TB	Up to 80TB	
M.2 Interface	M.2 Slots, x3	M.2 Slots, x5	
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/RS485, Terminal Block x1)		

Product Specifications (cont.)

Model:	VV-AIO-8	VV-AIO-16	VV-AIO-24
Network			
WAN Uplink	RJ-45, x2		
LAN Uplink	RJ-45, x1	RJ-45, x2	
LAN Port with POE	RJ-45 x8, 10/100 Mbps	RJ-45 x16, 10/100 Mbps	RJ-45 x24, 10/100 Mbp
PoE Level	IEEE 802.3 af/at x8	IEEE 802.3 af/at x16	IEEE 802.3 af/at x24
PoE Total Power Budget	120W	240W	360W
PoE & Switch Mgmt.	Windows 10 SDK / Linux SDK		
General			
Unit Dimensions (mm)	220 x 244 x 44	428 x 435 x 44	
Unit Weight (kg)	TBD	TBD	TBD
Pkg Dimensions (mm)	458 x 321 x 110	575 x 575 x 175	
Pkg Weight (kg)	TBD	TBD	TBD
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F		
Operating Humidity	10% ~ 90% Non-condensing		
Power Supply	100~240Vac, 250W, 56V/4.46A	AC 100~240V, 420W (53V / 280W, 12V / 140W)	AC 100~240V, 520W (53V / 360W, 12V / 160W)
Warranty	3 Year NBD Product Depot Replacement		