HD Video Appliance Series

Avigilon offers a broad range of high definition cameras – from 1 – 5 MP and 4 – 7K (based on horizontal resolution) – and are available in a variety of formats, including dome, panoramic and fixed. Whether it's a small storefront that requires a few cameras or a large complex system requiring complete coverage of numerous areas, you can trust that you're getting an exceptional solution for your security needs.

The innovative HD video appliance is just one way Avigilon can help provide the very best monitoring and protection.

Our all-in-one appliances combine the functions of a network video recorder, high-powered Ethernet switch and the power of Avigilon™ Control Center (ACC) software into a single appliance. The appliance can be easily added to an existing ACC system, or as a standalone system for small to mid-sized applications.
The compact and powerful 8 port model is an ideal turnkey solution for small video surveillance deployments, while the 16 and 24 port Pro models are perfect for advanced installations requiring increased camera support, larger storage and superior overall performance.

KEY FEATURES

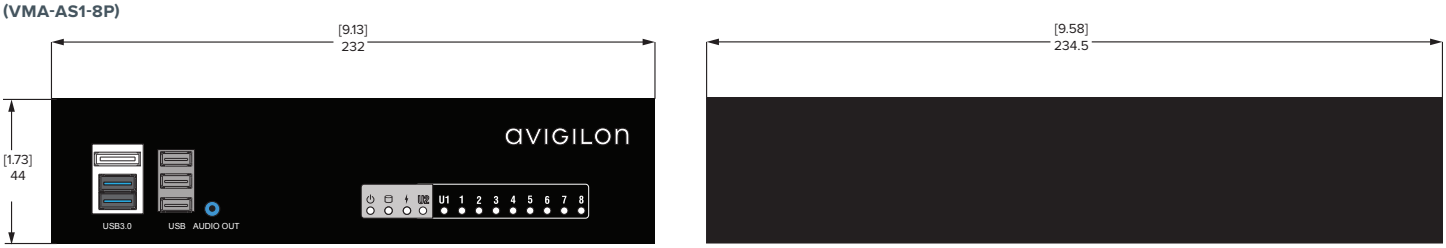
- Preloaded and configured with Avigilon™ Control Center High Definition Network Video Management Software
- Uses Avigilon's industry leading High Definition Stream Management (HDSM)™ technology
- Includes a Core or Standard license with camera channel licenses for each port.
- Embedded managed switch with high powered PoE output
- Records up to 32 MB/s of image data
- Up to 30 images per second per camera channel
- *Supports up to 30MP camera resolution
- HDMI® video out for HD video monitoring
- Up to 12 TB effective recording capacity

*Requires Enterprise license upgrade

Outline Dimensions

HD Video Appliance — 8 Port

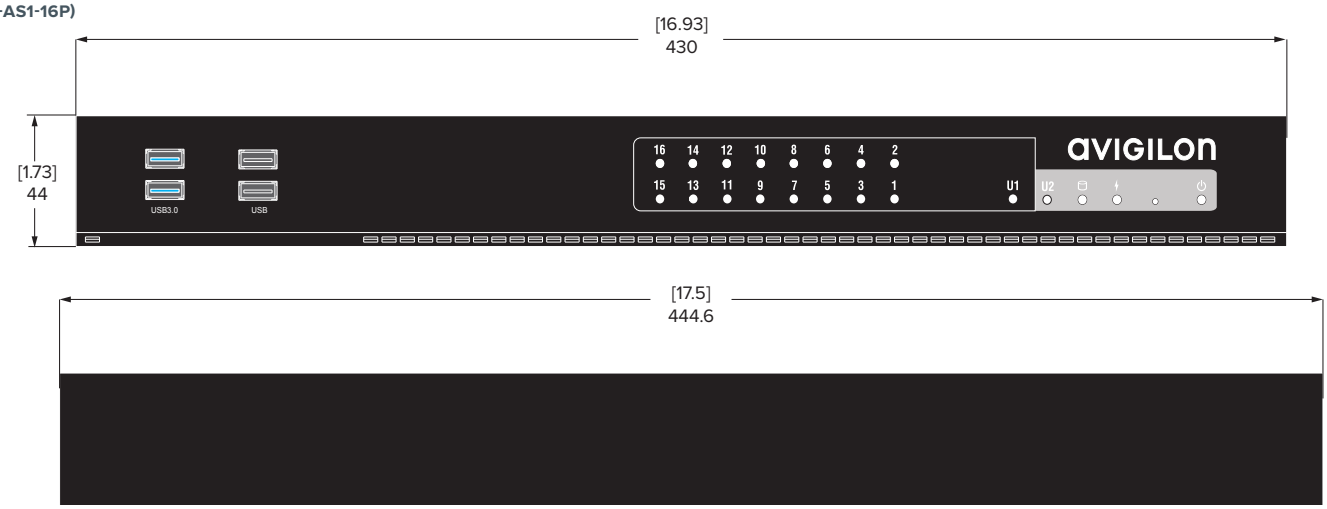
(VMA-AS1-8P)



[X.X]	INCHES
X	MM

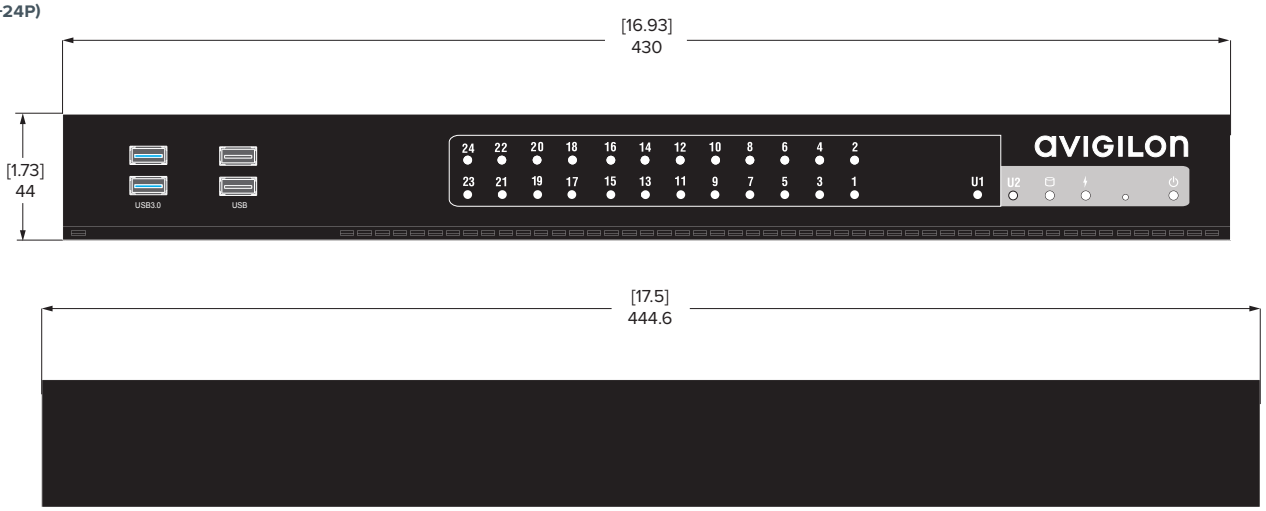
HD Video Appliance Pro — 16 Port

(VMA-AS1-16P)



HD Video Appliance Pro — 24 Port

(VMA-AS1-24P)



Specifications

		HD VIDEO APPLIANCE 8-PORT	HD VIDEO APPLIANCE PRO 16-PORT	HD VIDEO APPLIANCE PRO 24-PORT
SYSTEM	Control Center Edition	Core; Standard and Enterprise compatible	Standard; Enterprise compatible	Standard; Enterprise compatible
	Recording Rate	Up to 10 MB/s	Up to 32 MB/s	Up to 32 MB/s
	Playback Rate	Up to 10 MB/s	Up to 10 MB/s	Up to 10 MB/s
	Camera Channels	8	16	24
	Recording Image Rate	Up to 30 images per second per channel	Up to 30 images per second per channel	Up to 30 images per second per channel
	Local Viewing	Yes	Yes	Yes
	Operating System	Microsoft® Windows Embedded Standard 7 (64 bit)	Microsoft® Windows Embedded Standard 7 (64 bit)	Microsoft® Windows Embedded Standard 7 (64 bit)
	Hard Disk Drive Configuration	1 x 3.5" SATA (AV Rated)	RAID 5 — Up to 4 x 3.5" SATA (AV rated)	RAID 5 — Up to 4 x 3.5" SATA (AV rated)
	Recording Storage Capacity	Up to 4 TB	Up to 12 TB	Up to 12 TB
	Processor	Core i3-3220	Intel Core i7-3770	Intel Core i7-3770
	Memory	4 GB DDR3	8 GB DDR3	8 GB DDR3
	Video Outputs	1 VGA + 1 HDMI; up to 1920 x 1080	1 VGA + 1 HDMI; up to 1920 x 1080	1 VGA + 1 HDMI; up to 1920 x 1080
	PoE Ports	8 x 10/100 (802.3at)	16 x 10/100 (802.3at)	24 x 10/100 (802.3at)
	Total PoE Output	120W	270W	270W
	Uplink	(1) 10/100/1000 Mbps Combo SFP	(1) 10/100/1000 Mbps Combo SFP	(1) 10/100/1000 Mbps Combo SFP
	Network Interface Controller	(1) 10/100/1000 Mbps RJ-45	(1) 10/100/1000 Mbps RJ-45	(1) 10/100/1000 Mbps RJ-45
	Switch Control	Managed Switch with Web-based UI	Managed Switch with Web-based UI	Managed Switch with Web-based UI
	Port Mirroring	Many-to-one (Tx/Rx)	Many-to-one (Tx/Rx)	Many-to-one (Tx/Rx)
	USB	3 x USB 2.0; 2 x USB 3.0	4 x USB 2.0; 2 x USB 3.0	4 x USB 2.0; 2 x USB 3.0
MECHANICAL	Form Factor	Small form factor	1U	
	Dimensions (LxWxH)	234.5 mm x 232 mm x 44 mm; 9.58" x 9.13" x 1.73"	430 mm x 444.6 mm x 44 mm 16.93" x 17.5" x 1.73"	
	Weight	3 kg; 6.4 lb	10 kg; 22 lb	
ELECTRICAL	Power Input	100 to 240 VAC, 50/60 Hz	100 to 240 VAC, 50/60 Hz	
	Power Supply	Single non-redundant	Single non-redundant	
	Power Consumption	80 W min.; 120 W max.	100 W min.; 420 W max.	
ENVIRONMENTAL	Operating Temperature	0°C to 40°C (32°F to 104°F)		
	Storage Temperature	-40° C to 65° C (-40° F to 149° F)		
	Humidity	10 - 90% Relative humidity (non-condensing)		

CERTIFICATIONS	Certifications/Directives	UL	cUL	CE	RoHS	WEEE	RCM
		EAC	PSB (16/24 port)	NOM	VCCI	Anatel	KC
	Safety	UL 60950-1		CSA 60950-1		IEC/EN 60950-1	
	Electromagnetic Emissions	FCC Part 15 Subpart B Class A		IC ICES-003	EN 55022	EN 61000-3-2	EN 61000-3-3
	Electromagnetic Immunity	EN 50130-4	EN 61000-4-2	EN 61000-4-3	EN 61000-4-4	EN 61000-4-5	EN 61000-4-6
		EN 61000-4-8	EN 61000-4-11				

ORDERING INFORMATION	VMA-AS1-8P2	2.0 TB storage, 8 Port HD Video Appliance
	VMA-AS1-8P4	4.0 TB storage, 8 Port HD Video Appliance
	8C-ACC5-COR-STD-UPG	ACC 5 upgrade license from Core to Standard edition for 8 camera channels
	8C-ACC5-STD-ENT-UPG	ACC 5 upgrade license from Standard to Enterprise edition for 8 camera channels
	VMA-AS1-16P06	6.0 TB storage, 16 Port HD Video Appliance Pro
	VMA-AS1-16P09	9.0 TB storage, 16 Port HD Video Appliance Pro
	VMA-AS1-16P12	12 TB storage, 16 Port HD Video Appliance Pro
	16C-ACC5-STD-ENT-UPG	ACC 5 upgrade license from Standard to Enterprise edition for 16 camera channels
	VMA-AS1-24P09	9.0 TB storage, 24 Port HD Video Appliance Pro
	VMA-AS1-24P12	12 TB storage, 24 Port HD Video Appliance Pro
	24C-ACC5-STD-ENT-UPG	ACC 5 upgrade license from Standard to Enterprise edition for 24 camera channels
	ENC-4P-H264	4-Port H.264 Video Encoder with 4 Audio Inputs and 4 Audio Outputs
	ENC-BRK1U	1U EIA (19") Rack Mountable Bracket for 3 ENC-4P-H264
	VMA-AS1-HDDP02	2.0 TB storage, HD Video Appliance Pro
	VMA-AS1-HDDP03	3.0 TB storage, HD Video Appliance Pro
	VMA-AS1-HDDP04	4.0 TB storage, HD Video Appliance Pro
	VMA-AS1-8PRMS1U	1U Rack mount shelf for HD Video Appliance 8-port

VMA-AS1-xxPxx = VMA-AS1-xxPxx-**UK** = VMA-AS1-xxPxx-**EU** = VMA-AS1-xxPxx-**AU** =

HD VIDEO APPLIANCE

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