

HD Video Appliance Series



Avigilon's end-to-end surveillance solutions deliver image detail no other system can match. Avigilon™ Control Center software, featuring High Definition Stream Management (HDSM)™ technology combined with our broad range of megapixel cameras (from 1 MP to 29 MP) provide unprecedented clarity—while effectively managing storage and bandwidth requirements. Our components are scalable and can work together in an end-to-end system, or can be customized to create your own powerful and cost-effective solution.

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 29MP camera resolution

HDMI® video out for HD video monitoring

Up to 12 TB effective recording capacity

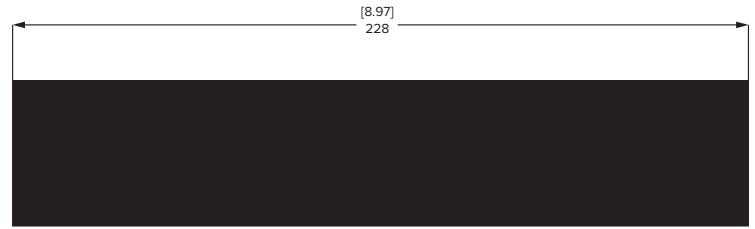
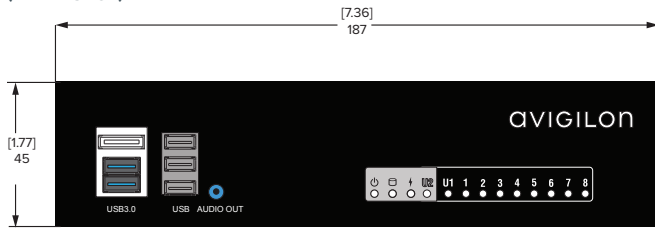
*Requires Enterprise license upgrade



Outline Dimensions

HD Video Appliance — 8 Port

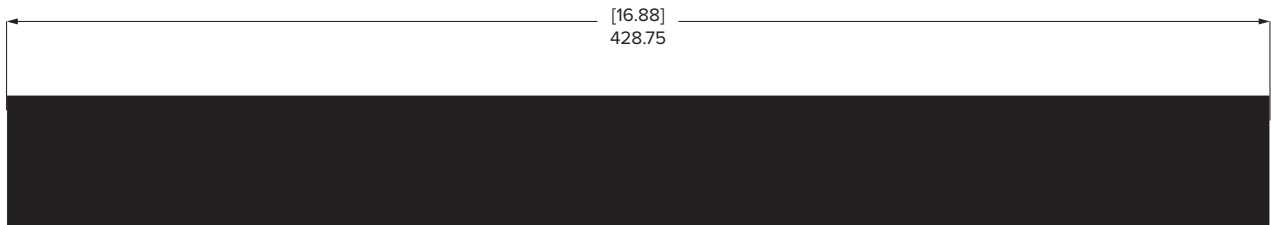
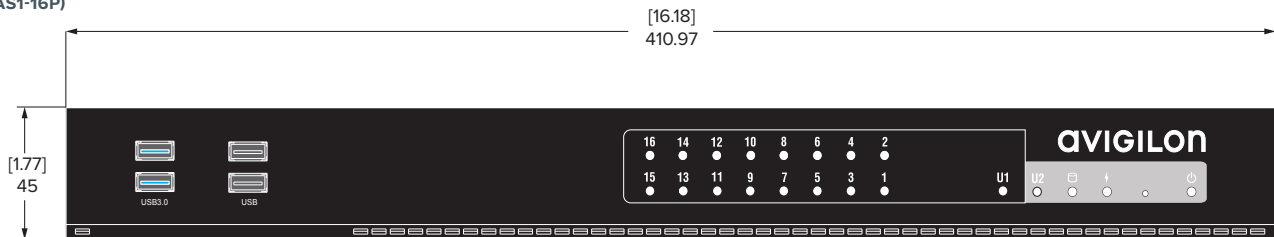
(VMA-AS1-8P)



[X.X]	INCHES
X	MM

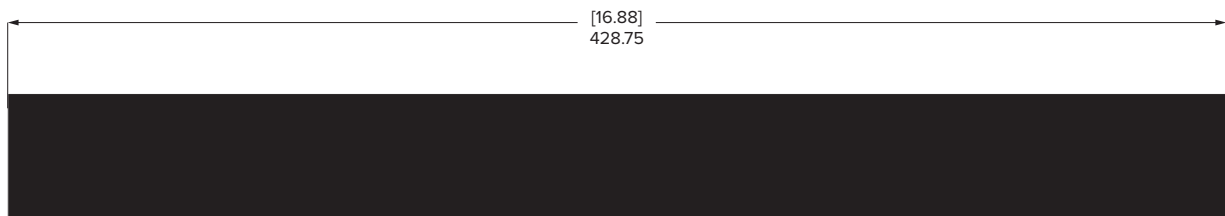
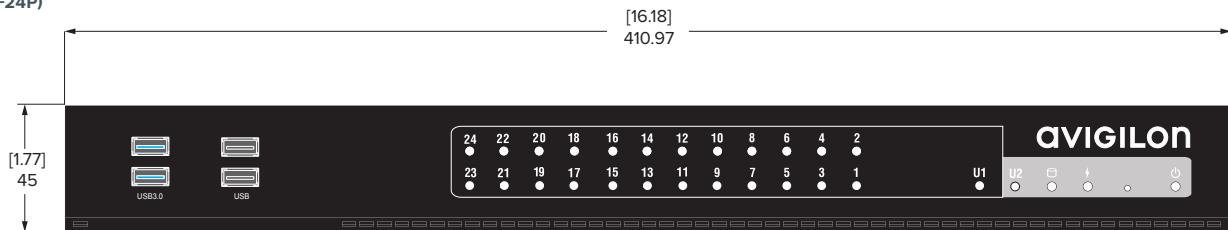
HD Video Appliance Pro — 16 Port

(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			
	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	70W	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			
	Frame Buffer	2.75 Mbit	2.75 Mbit	2.75 Mbit			
	MAC Addresses	4K entries	4K entries	4K entries			
	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)	228 mm x 187 mm x 45 mm; 8.97" x 7.36" x 1.77"	428.75mm x 410.97mm x 44.96mm 16.88" x 16.18" x 1.77"				
	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	Safety	UL 60950-1	IEC 60950-1	EN 60950-1	CSA 60950		
	Electromagnetic Emissions	ICES-003	EN 55022	EN 61000-3-2	EN 61000-3-3	CISPR22	FCC Part 15 Subpart B Class A
	Electromagnetic Immunity	EN 55024 IEC/ EN 61000-4-5	IEC/EN 61000-4-2 IEC/ EN 61000-4-6	IEC/ EN 61000-4-3 IEC/ EN 61000-4-8	IEC/ EN 61000-4-4 IEC/ EN 61000-4-11	EMC Directive 2004/108/EC	
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-xxPxx =  VMA-AS1-xxPxx-UK =  VMA-AS1-xxPxx-EU =  VMA-AS1-xxPxx-AU = 