

Avigilon Artificial Intelligence Appliance (AI Appliance)

The Avigilon AI Appliance adds patented self-learning video analytics and Avigilon Appearance Search[™] technology to nearly any IP camera. When connected to Avigilon Control Center (ACC) software, customers can evolve legacy camera systems into powerful AI solutions — with automatic alerts of potentially critical events and the ability to search for and locate a person or vehicle of interest across an entire site.



Engineered for high performance, capacity and resiliency, the AI Appliance features leading CPU and GPU hardware that simultaneously support Avigilon video analytics and Avigilon Appearance Search technology.

Available in two variants that can support up to thirty or sixty 2MP streams in the same 2U form factor, the AI appliance can integrate into existing installations and scale to meet enterprise system requirements.

Key Features

Preloaded and configured with Avigilon's self-learning video analytics technology

High capacity video analytic processing supports up to 8MP resolution

Supports Avigilon and third party non-analytic enabled cameras

On-board Analytics Kit allows Avigilon Appearance Search to be enabled out of the box

Pre-configured for quick and easy setup in Avigilon Control Center (ACC) software

Dual hot-swappable power supplies for high availability in the event of component failure

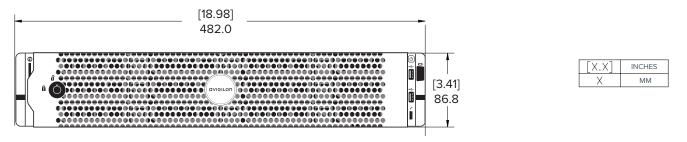
An easy to access and maintain 2U rack mount chassis — includes a sliding rail kit and cable management system

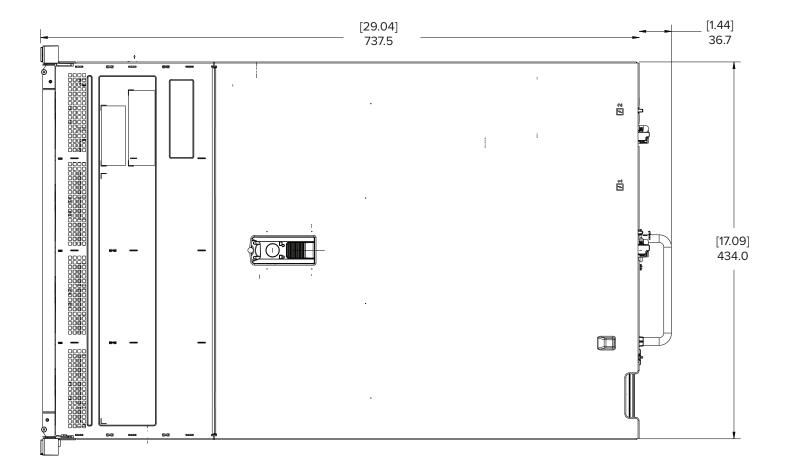
A three-year warranty with on-site parts delivery service.

Specifications

System	Video Management Software Avigilon Control Center [™] – compatible with Enterprise edition						
System	Operating System		Avigilon Control Center [™] – compatible with Enterprise edition Hardened Linux, supports secure remote upgrades				
	Network Network Connection		1 GbE				
	Video Streaming		Up to 600 Mbps over a single	e connection			
	Performance*	Video Ingestion Rate	Model A10 – 30 × 2MP (15 fps	;) M	lodel A20 – 60 × 2MP (15 fps)		
	Recording Storage Capacity		None				
	Drive Configuration		Mirrored OS – 2 × M2 drives, RAID 1				
	Network Interface		4 × 1 GbE RJ-45 ports (1000Base-T)				
	Graphics Processing Unit		NVIDIA Quadro®				
	Video Outputs		None				
	Local Viewing		No – Web-based administration only				
	Out-of-band management		iDRAC9 Express				
	* These performan	ce figures are based on validat	ion testing by Avigilon, using Avigilon C	ontrol Center software. For more information	n, contact Avigilon <u>Sales</u> .		
Mechanical	Form Factor		2U rack mount chassis				
	Dimensions (LxWxH)		714.6 mm × 482 mm × 86.8 mm; 28.13" × 18.97" × 3.41"				
	Weight		34.3 kg (75.68 lbs)				
Electrical	Power Input		100 to 240 V AC, 50/60 Hz, auto-switching				
	Power Supply		750 W redundant, hot-swappable (1+1)				
	Power Consumption		Average: 429 W (1463.8 BTU/h), Maximum: 750 W (2559.1 BTU/h)				
Environmental	Operating Temperature		10°C to 35°C (50°F to 95°F)				
Livionnentai	Storage Temperature		-40°C to 65°C (-40°F to 149°F)				
	Humidity		10% to 80% relative humidity with 29°C (84.2°F) maximum dew point				
	Operating Vibration		0.26 G_{me} at 5 Hz to 350 Hz				
	Storage Vibration		1.88 G _{ms} at 10 Hz to 500 Hz for 15 min				
	Operating Shock		Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 6 G for up to 11 ms				
	Storage Shock		Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71 G for up to 2 ms				
	Operating Altitude		3,048 m (10,000 ft)				
	Storage Altitude		12,000 m (39,370 ft)				
Supplied Accessories	Rack Rail System		 Sliding rail system with cable management arm. Supports: Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks Tooled mounting in threaded hole 4-post racks 				
	Bezel		1, front				
	Power Cords		2				
Certifications	Certifications		UL, cUL, CE, BIS, BSMI, CCC, EAC, KC, NOM, NRCS, VCCI, RCM				
	Safety		EN 60950-1:2006 / A11:2009 / A1:2010 / A12:2011 / A2:2013; UL/CSA/IEC 60950-1, 2 Ed + Am 1: 2009 + Am 2: 2013				
	Electromagnetic Emissions		US CFR Title 47, FCC Part 2, 15; Canadian ICES-003(A) Issue 6; EN 55032:2012/ EN 55032:2015/ CISPR 32:2012/ CISPR 32:2015 (Class A); EN 61000-3-2:2014/ IEC 61000-3-2:2014 (Class D); EN 61000-3-3:2013/ IEC 61000-3-3:2013				
	Electromagnetic Immunity		EN 55024:2010+A1:2015/CISPR 24:2010 + A1:2015				
	Energy		Commission Regulation (EU) No. 617/2013				
	ROHS		EN 50581:2012				
Analytics/	Stream reso	lution ⁺	Channels available	Analytic load per camera	Channels available	Analytic load per camera	
Appéarance			Mc	del A10	N	lodel A20	
Search Channel Estimates	720x480 (enc	oder NTSC 15 fps)	40	2.5%	80	1.25%	
	1MP (15 fps)		40	2.5%	80	1.25%	
	2MP (15 fps) / 1MP (30 fps)		30	3.3%	60	1.65%	
	2MP (30 fps)		23	4.5%	46	2.2%	
	3MP (20 fps)		20	5%	40	2.5%	
	5MP (15 fps)		17	5.9%	35	2.85%	
	8MP (15 fps)		10	10%	20	5%	
	¹ For optimal analytics performance, the source camera should stream a minimum of 10 frames per second (fps).						
Device types supported for analytics	Avigilon H.264 Analog Encoders						
	Avigilon HD H.264, H3, H3 Multisensor, H4 SL, H4 Mini dome, H4 Box, H4 Bullet, H4 Dome, and H4 Pro cameras						
	Avigilon H4A cameras operating for Unusual Motion Detection						
	ONVIF® Profile S cameras						
	ONVIF encoders						

Outline Dimensions





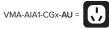
Ordering Information

VMA-AIA1-CG1-XX	Artificial Intelligence Appliance – Model A10, 2U Rack Mnt, 1 x capacity, Incl power cords
VMA-AIA1-CG2-XX	Artificial Intelligence Appliance – Model A20, 2U Rack Mnt, 2 x capacity, Incl power cords
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VMA-AIA-2NDPS-AU	Replacement hot-swappable power supply, for AU
VMA-AIA-2NDPS-EU	Replacement hot-swappable power supply, for EU
VMA-AIA-2NDPS-NA	Replacement hot-swappable power supply, for NA
VMA-AIA-2NDPS-UK	Replacement hot-swappable power supply, for UK





VMA-AIA1-CGx-EU = $\mathbf{\bullet}$



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