AI APPLIANCE 2 (AIA2)

The AIA2 enhances the security of your site by incorporating Avigilon Next-Generation Video Analytics on non-analytic cameras. The AIA2 features industry-leading hardware and comes in two models to support up to 50 cameras for site scalability and high-performance. With its Next-Generation Video Analytic capabilities, the AIA2 can now support: expanded object detection classification, Unusual Activity Detection (UAD), Occupancy Counting, No Face Mask Detection, Facial Recognition technology, and Avigilon Appearance Search technology.



FEATURES

SERVER-SIDE ANALYTICS FOR NON-ANALYTIC CAMERAS

Bring Classified Object Detection, Appearance Search, Face Recognition, and No Face Mask Detection to your existing non-analytic cameras.

ENHANCED SECURITY

All AI Appliances run Avigilon Hardened OS on an encrypted solid state drive to minimize attack vectors.

QUICK SETUP

Power on and connect to a network with ACC Server running. All configuration can be done from an ACC Client on your network.

PEACE OF MIND SUPPORT

Backed by 3 years of onsite parts delivery and installation, and 24/7 phone support..

MOTOROLA SOLUTIONS

ANALYTICS



CLASSIFIED OBJECT DETECTION™ (COD)

Detects and classifies people or vehicles to help operators verify and respond faster. Next-generation analytics provide improved object classification.

ACC7-VAC license required



AVIGILON APPEARANCE SEARCH™ (AS)

Quickly locates a specific person or vehicle of interest across an entire site using a sophisticated deep learning AI search engine.

ACC Enterprise required



FACE RECOGNITION (FR)

Detects matches from managed watchlists to alert operators of people of interest. Requires Appearance Search and an additional license.

ACC7-FACE license required



NO FACE MASK DETECTION

Determines whether a person is not wearing a face mask to help prevent community transmission.

ACC Enterprise required



OCCUPANCY COUNTING

By placing cameras at exits and entrances, a running total of occupancy can be monitored in real time.

ACS Required

MODEL	INCLUDED ACC7-VAC LICENSES	NON-ANALYTIC CAMERAS		
		COD	COD+AS	COD+AS+FR
CG1	10 (additional licenses available)	25	25	22
CG2	30 (additional licenses available)	50	50	43

Must be connected to an NVR, AI NVR, or another recorder running the ACC7 Server software.

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
Avigilon H5Pro (in high frame-rate mode), H5M, and H5SL cameras
ONVIF® Profile S cameras
ONVIF encoders

SPECIFICATIONS

SYSTEM	
Operating System	Avigilon Hardened OS, supports secure remote upgrades
Drive Configuration	Mirrored OS – 2 × M2 drives, RAID 1
Recording Storage Capacity	None
Network Interface	4 × 1 GbE RJ-45 ports (1000Base-T)
Network Connection	1 GbE, Up to 600 Mbps over a single connection
Graphics Processor	NVIDIA Quadro®
Video Outputs	None
Local Viewing	No – Web-based administration only
Out-of-band Management	iDRAC9 Express
Warranty	3 years next business day

ELECTRICAL			
Power Input			100 to 240 V AC, 50/60 Hz, auto-switching
Power	Supply	CG1	Single 1100W non-redundant (1+0)
		CG2	Dual 1100W non-redundant (2+0)
	Consumption	CG1	Maximum 750W (2559.1 BTU/h)
		CG2	Maximum 1300W (4435.7 BTU/h)

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 Cord	CG1	1
	CG2	2

CERTIFICATIONS	
Certifications/Directives	UL, cUL, CE, BIS, BSMI, CCC, EAC, KC, NOM, NRCS, VCCI, RCM,UKCA
Safety	UL/CSA/IEC/EN 62368-1:2014 (2nd ed)
Electromagnetic Emissions	FCC Title 47 CFR Part 15 (Class A), ICES-003(A) Issue 6, EN 55032 Class A,CISPR 32 (Class A), EN 61000-3-2:2014/IEC 61000-3-2:2014, EN 61000-3-3:2013/IEC 61000-3-3:2013
Electromagnetic Immunity	EN 55024:2010 +A1:2015/CISPR 24:2010 +A1:2015 or EN 55035:2017
Energy	Commission Regulation (EU) No. 617/2013
ROHS	EN 50581:2012

ENVIRONMENTAL	OPERATING	STORAGE
Temperature	10° C to 35° C (50° F to 95° F	-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	5% to 95% RH with 33°C (91°F) maximum dew point. Atmosphere must be non-condensing at all times
Vibration	0.26 Grms at 5 Hz to 350 Hz	1.88 Grms at 10 Hz to 500 Hz for 15 min
Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 6 G for up to 11 ms	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
Altitude	3,048 m (10,000 ft)	12,000 m (39,370 ft)

OUTLINE DIMENSIONS

[X.X]	INCHES
X	MM

FORM FACTOR

2U rack mount chassis

DIMENSIONS (L × W ×H)

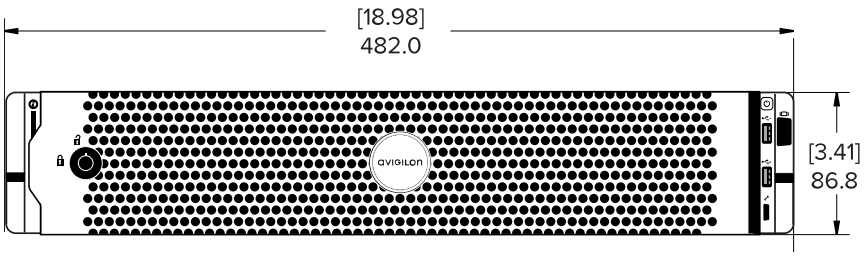
751 mm × 482.0 mm × 86.8 mm

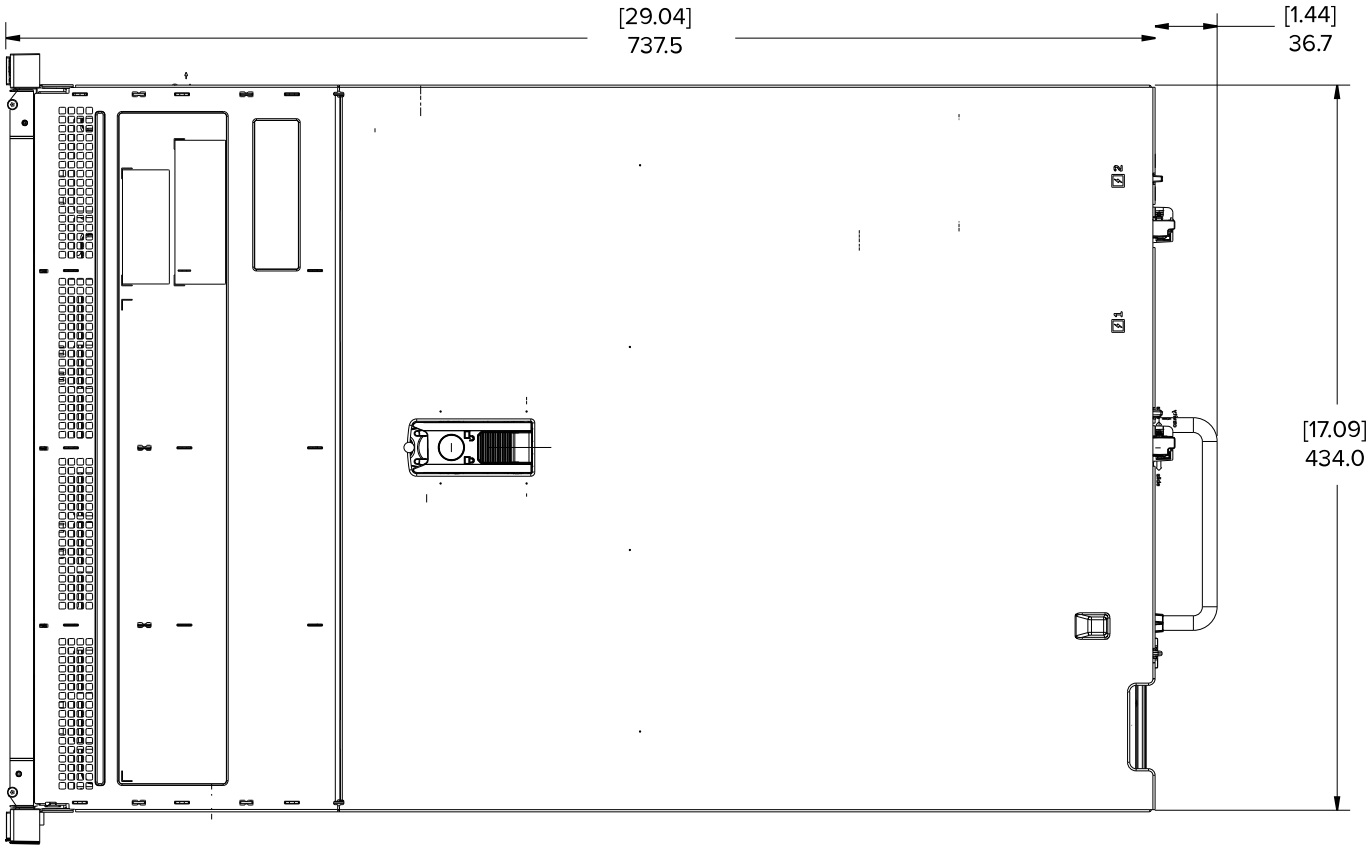
[29½" × 19" x 3½"]

WEIGHT

34.5 kg

[76 lbs]





ORDERING INFORMATION

AI APPLIANCES

VMA-AIA2-CG1-XX	AI Appliance 2, CG1 Model - Includes 10x ACC7-VAC licenses
VMA-AIA2-CG2-XX	AI Appliance 2, CG2 Model - Includes 30x ACC7-VAC licenses

VMA-AIA2-CGx-NA | VMA-AIA2-CGx-UK | VMA-AIA2-CGx-EU | VMA-AIA2-CGx-AU

OPTIONS AND ACCESSORIES

IDRAC9-ENT-UPG	iDRAC Enterprise upgrade
VMA-AIA2-2NDPS-XX	2nd power supply for AI Appliance 2
VMA-AIA2-WARR-EXTEND-2YR	2 Year Warranty Extension for AI Appliance 2

SOFTWARE LICENSES

ACC7-VAC	ACC7 Video Analytics feature channel license
ACC7-FACE	ACC7 Face feature channel license
ACC7-FACE-10C	ACC7 Face feature 10 channel license

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MOTOROLA SOLUTIONS

AVIGILON

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