ACC ES Rugged 8-Port Appliance

A Rugged and Reliable Solution For Harsh Environmental Conditions

The Avigilon Control Center (ACC) ES Rugged Appliance is purpose-built to meet the challenges that are commonly faced in city security, critical infrastructure and temporary security applications. As a rugged device, it incorporates a fan-less design, solid-state storage and an 8-port PoE switch, all packaged in a heavy-duty enclosure. As a result, it is designed to provide a reliable solution that is suited for harsh environmental conditions such as extreme temperatures, without requiring the addition of expensive heating or air conditioning systems.

Features

VIDEO ANALYTICS
Supports object detection and classification for live or forensic analytic events like objects in area, loitering, crossing beam, etc.

EMBEDDED VIDEO MANAGEMENT SOFTWARE
Pre-configured with ACC™ software

LOW VOLTAGE OPERATION
Operable with any 9-32VDC 100W power source

SOLID-STATE STORAGE
Robust storage design increases reliability with minimal heat build-up and better resistance to vibration and shock

8-PORT PoE SWITCH
Embedded PoE switch for greater installation convenience

REMOTE NOTIFICATIONS
Receive instant notifications to any mobile device with full support for remote alerts

WEB ENDPOINT TECHNOLOGY
Optimized for mobile connections out-of-the-box with built-in web endpoint technology

SHOCK AND VIBRATION TOLERANT
Tested to MIL-STD-810G

ISOLATED DIGITAL I/O
Greater reliability with more resilience against ground loops and electrical interference

HIGH TEMPERATURE RANGE
Optimized to operate reliably even at increased temperature variances

**avigilon.com | asksales@avigilon.com**

Specifications

SYSTEM		
	Control Center Edition	Enterprise compatible*
	SSD Storage	1 x 2.5" SSD (2 or 4TB)
	Recording Rate	130 Mbps
	Stream Out Rate	50 Mbps
	PoE+ Ports	8 x 10/100 Mbps
	Total PoE Budget	60 W
	Uplink	2 x 1 GbE
	External I/O Terminals	6 x Isolated Digital Inputs, 4 x Dry Contact Outputs
	* Site support for up to 24 servers, 500 cameras and 100 defined users	

MECHANICAL		
	Dimensions (LxWxH)	172.21 x 314 x 76.02 mm; 12.4 x 6.8 x 2.8 in
	Weight	4.2 kg (unit); 9.25 lbs
	Mounting	Surface mount or DIN rail options Included

ELECTRICAL		
	System Power Input	9-32VDC (power supply options sold separately)
	Power Consumption	100W maximum

ENVIRONMENTAL		
	Operating Temperature	-30° C to 70° C (-22° F to 158° F)
	Storage Temperature	-40° C to 85° C (-40° F to 185° F)
	Humidity	95% relative humidity @40° C (104° F) (non-condensing)
	Vibration	MIL-STD-810G (vibration) EN 60721-3-5M3 (vibration + shock)

CERTIFICATIONS		
	Certifications/Directives	UL, cUL, CE, RCM
	Safety	UL 60950-1, CSA 60950-1, IEC/EN 60950-1*
	Electromagnetic Emissions	FCC Part 15 Subpart B Class A, IC ICES-003 Class A, EN 55032 Class A, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3
	Electromagnetic Immunity	EN 55035, EN 61000-6-2
	* UL/CSA/IEC/EN 60950-1 certified to 40C ambient	

Supported Video Analytics Features

Objects in Area	The event is triggered when the selected number of objects are present in the region of interest. The object can appear from within the region of interest or enter from outside.
Object Loitering	The event is triggered for each object that stays within the region of interest for an extended amount of time.
Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view in the selected time period. The beam can be unidirectional or bidirectional.
Object Appears or Enters Area	The event is triggered by each object present in the region of interest. The object can appear from within the region of interest or enter from outside.
Object Not Present in Area	The event is triggered when no objects are present in the region of interest.
Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest from outside of the region.
Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.
Object Stops in Area	The event is triggered for each object in a region of interest that stops moving for the specified threshold time.
Direction Violated	The event is triggered for each object that moves in the prohibited direction of travel.
Tamper Detection	The event is triggered when the scene unexpectedly changes.
Idle Scene Mode	Analytic capable cameras will stream at a different image rate and reduced quality while no events are detected in the scene.

ANALYTICS SUPPORT (MAX. VIDEO STREAMS PER RESOLUTION)		
	352 × 240	16
	720 × 480 (encoder NTSC mode)	10
	1MP (15 fps | 30 fps)	11 | 11
	2MP (15 fps | 30 fps)	6 | 6
	3MP (15 fps | 30 fps)	4 | 4
	5MP (15 fps | 30 fps)	3 | 3
	8MP (15 fps | 30 fps)	2 | 2

Outline Dimensions

[X.X]	INCHES
X	MM

96 [3.78]	172.21 [6.8]
314 [12.4]	
254.45 [10]	
	76.02 [3.0]
314 [12.4]	172.21 [6.8]
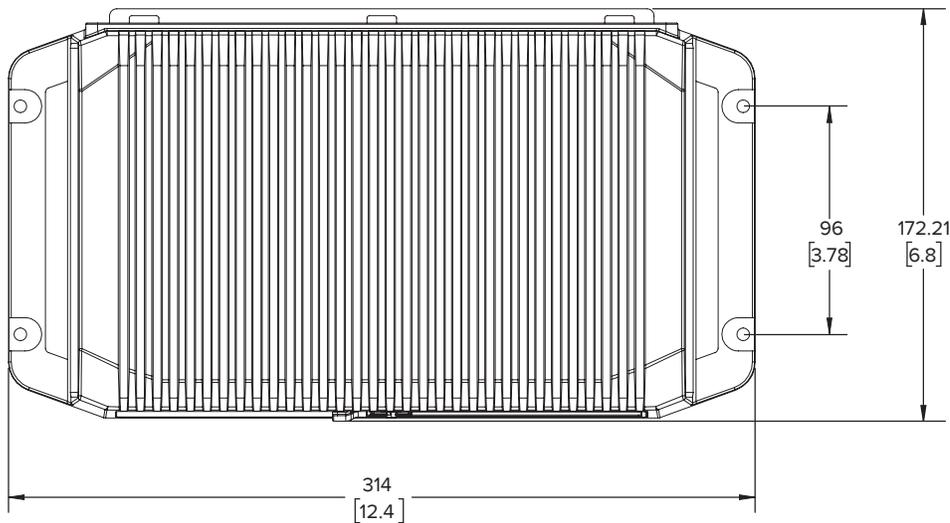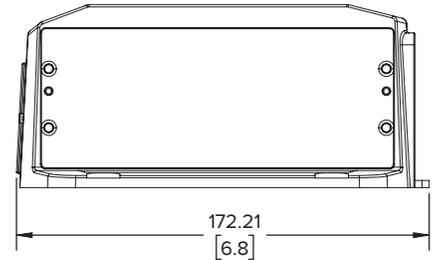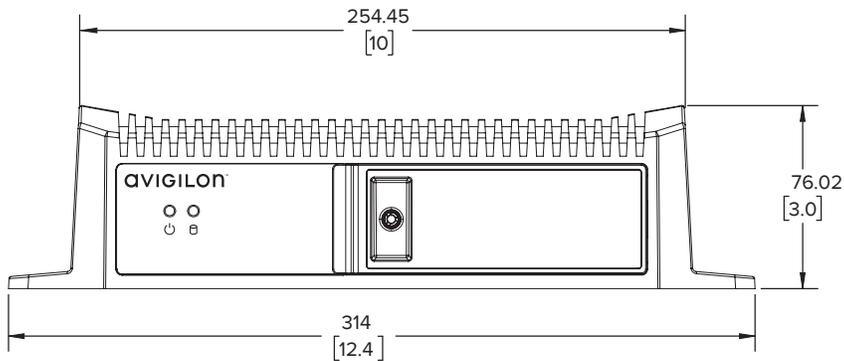
ORDERING INFORMATION

PRODUCTS

VMA-RPA-RGD-8P2	ACC ES Rugged 8-Port Appliance, 2TB. ACC licenses sold separately
VMA-RPA-RGD-8P4	ACC ES Rugged 8-Port Appliance, 4TB. ACC licenses sold separately

ACCESSORIES

PS-220W-RPA-RGD-8P-NA	External Power Supply, ES Rugged 8P Appliance, NA power plug
PS-220W-RPA-RGD-8P-UK	External Power Supply, ES Rugged 8P Appliance, UK power plug
PS-220W-RPA-RGD-8P-EU	External Power Supply, ES Rugged 8P Appliance, EU power plug
PS-220W-RPA-RGD-8P-AU	External Power Supply, ES Rugged 8P Appliance, AU power plug
DINPS-240W-RPA-RGD-8P	DIN Mount Power Supply, ES Rugged 8P Appliance

LICENSES

ACC7-ENT	ACC 7 Enterprise Edition camera license

PS-220W-RPA-RGD-8P-**NA** =   PS-220W-RPA-RGD-8P-**UK** =   PS-220W-RPA-RGD-8P-**EU** =   PS-220W-RPA-RGD-8P-**AU** =