

# ACC<sup>TM</sup> ES 8-Port Appliance



Avigilon Control Center<sup>TM</sup> (ACC) ES 8-port (8P) Appliance is the latest innovative addition to the ACC ecosystem providing a cost effective, analytics-ready, secure and flexible solution for smaller size deployments. With up to 8 TB of storage and a powerful on board PoE switch, the ACC ES 8P Appliance is an easy to deploy solution that can fit many needs. The ACC ES 8P Appliance features signed and encrypted Linux<sup>®</sup>-based firmware providing a secure and trusted platform for distributed and internet connected deployments.

Used with the optional ACC version 7 Video Analytics Channel licenses, non-analytic IP cameras and analog encoders are enriched with Avigilon's industry-leading self-learning video analytics, pattern-based object classification and tracking technology.

## KEY FEATURES

High capacity storage with 4 and 8 TB options

Provides up to 210 Mbps of total throughput

Ready for mobile connections out of the box with web endpoint technology built in

Uses Avigilon's industry leading High Definition Stream Management (HDSM)<sup>TM</sup> technology

Remote alerts provide instant notifications to any mobile device

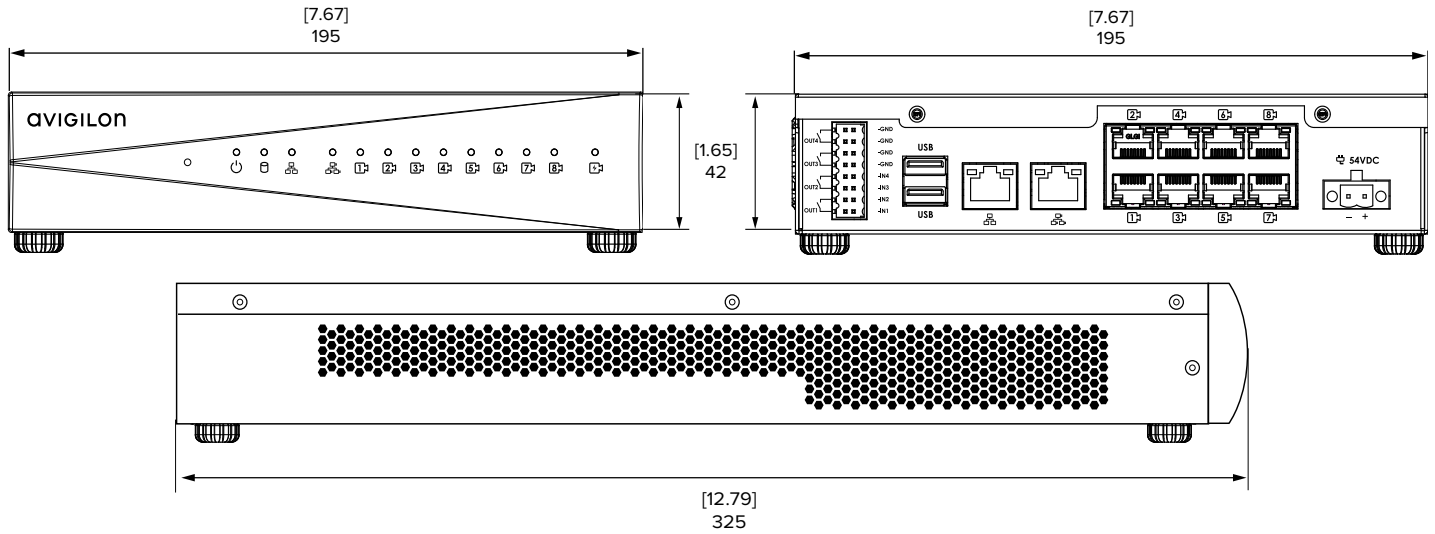
Ready to deploy out of the box with secure Linux-based firmware

Easily installed in a rack with an optional rack-mounted tray with sliding rail system

Extends self-learning video analytics to any IP video surveillance camera with the optional ACC 7 Video Analytics Channel licenses

# Outline Dimensions

[X.X]	INCHES
X	MM



## Specifications

<b>SYSTEM</b>	HDD Storage	1 x 3.5 inch Serial ATA hard drive (4 or 8TB)
	Recording Rate	130 Mbps
	Stream Out Rate	80 Mbps
	PoE+ Ports	8 x 10/100 Mbps (IEEE 802.3at)
	Total PoE Power Budget	120 W
	PoE Power per Port	0-30W (sum of all ports must be below Total PoE Power Budget)
	Uplink	2 x 1 GbE
	External I/O Terminals	4 digital inputs and 4 relay outputs
<b>MECHANICAL</b>	Dimensions (LxWxH)	195 x 325 x 42 mm; 7.67 x 12.79 x 1.65 in
	Weight	2.8 kg (unit); 6.17 lbs
<b>ELECTRICAL</b>	System Power Input	100-240VAC; 2.5A; 50-60Hz
	Power Supply	Single external, 54V
	Power Consumption	40W minimum; 180W maximum
<b>ENVIRONMENTAL</b>	Operating Temperature	0° C to 40° C (32° F to 104° F)
	Storage Temperature	-20° C to 60° C (-4° F to 140° F)
	Humidity	0 - 90% relative humidity (non-condensing)
<b>ANALYTICS SUPPORT (MAX. VIDEO STREAMS PER RESOLUTION)</b>	352 x 240 (up to 30 fps)	16
	720 x 480 (encoder NTSC mode) (up to 30 fps)	12
	1MP (up to 30 fps)	14
	2MP (up to 30 fps)	8
	3MP (15 fps   30 fps)	6   5
	5MP (15 fps   30 fps)	4   3
8MP (up to 30 fps)	2	
<b>CERTIFICATIONS</b>	Certifications/Directives	UL, cUL, CE, RCM
	Safety	CSA 60950-1, IEC/EN 60950-1*
	Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3
	Electromagnetic Immunity	EN 55024, EN 61000-6-1
<b>DEVICE TYPES<sup>2</sup> SUPPORTED FOR ANALYTICS</b>	Avigilon HD H.264 cameras	
	Avigilon H.264 Analog Encoders	
	Avigilon HD Multisensor dome cameras	
	Avigilon PTZ cameras (analytics at Home position only)	
	ONVIF <sup>®</sup> cameras and encoders	
	Third-party devices (MJPEG, MPEG4, H.264) supported by ACC	

<sup>2</sup> H.265 not supported for analytics processing

# 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.

# Supported ACC Features

System	<ul style="list-style-type: none"> <li>Site support for up to 24 servers, 500 cameras and 100 defined users</li> </ul>		
Device Support	<ul style="list-style-type: none"> <li>ACC-supported third-party devices</li> <li>Avigilon HD cameras &amp; encoders</li> </ul>	<ul style="list-style-type: none"> <li>Avigilon HD H4Pro cameras</li> <li>ONVIF® compliant cameras &amp; encoders</li> </ul>	
Client	<ul style="list-style-type: none"> <li>Saved Views</li> <li>Maps</li> <li>Web pages</li> </ul>	<ul style="list-style-type: none"> <li>Editable Site View</li> <li>Intelligent Virtual Matrix</li> <li>Collaborative investigations</li> </ul>	
Recording, Searching and Playback	<ul style="list-style-type: none"> <li>Hourly configurable recording schedule</li> <li>Lossless recording</li> <li>Intelligent motion search</li> <li>Live export</li> </ul>	<ul style="list-style-type: none"> <li>Thumbnail search</li> <li>Event search</li> <li>Alarm search</li> <li>Multi-camera export</li> </ul>	
Integrations	<a href="#">All 3rd party integrations via the ACC SDK</a>	Plus: <ul style="list-style-type: none"> <li>CommScope iPatch®</li> <li>RS2 AccessIt!</li> </ul>	<ul style="list-style-type: none"> <li>DDS Amadeus 5</li> <li>DSX</li> </ul>
Additional Features	<ul style="list-style-type: none"> <li>Email event notification</li> <li>Digital input email trigger</li> <li>Manual digital output trigger</li> <li>Audio recording and talkdown</li> </ul>	<ul style="list-style-type: none"> <li>Unlimited rule triggers</li> <li>Redundant recording</li> <li>Failover connections</li> <li>Alarm escalation</li> </ul>	

# Ordering Information

## PRODUCTS

VMA-ENVR1-8P4A	ACC ES 8-Port Appliance, 4TB. Avigilon Control Center licenses must be purchased separately.
VMA-ENVR1-8P8A	ACC ES 8-Port Appliance, 8TB. Avigilon Control Center licenses must be purchased separately.

## ACCESSORIES

ENC-4P-H264	4-Port H.264 Video Encoder with 4 Audio Inputs and 4 Audio Outputs
PS-180W-ENVR1-8P	External Power Supply, ES 8P Appliance, 180W, No power cord
RMS1U -A-ENVR1-8P	Rackmount Shelf with Sliding Rails for ES 8P Appliance

## LICENSES<sup>4</sup>

ACC7-VAC	ACC 7 Video Analytics Channel license
ACC7-ENT	ACC 7 Enterprise Edition Camera license
ACC7-STD	ACC 7 Standard Edition camera license
ACC7-COR	ACC 7 Core Edition camera license

<sup>4</sup> Licenses are available only for users of ACC 7 software. Avigilon Multisensor cameras and analogue encoders only require one license per device.

VMA-ENVR1-8Px-NA =  
VMA-ENVR1-8P8B-NA =



VMA-ENVR1-8Px-UK =  
VMA-ENVR1-8P8B-UK =



VMA-ENVR1-8Px-EU =  
VMA-ENVR1-8P8B-EU =



VMA-ENVR1-8Px-AU =  
VMA-ENVR1-8P8B-AU =

