Video Appliance

The new generation of Avigilon Video Appliances provide an all-in-one security solution with improved performance and higher capacity that help reduce installation time and overall complexity of the surveillance system. The Video Appliance line integrates our ACC™ video management software with a high-powered PoE switch and a client workstation to provide a cost effective recording and video management solution that is capable of supporting multi-megapixel IP cameras, up to our industry-leading 7K (30 megapixel) HD Pro camera line.

Avigilon Video Appliances can be easily added to an existing Avigilon video surveillance system, or as a standalone system for small to medium-scale surveillance deployments.

The compact and powerful 8-port model is an ideal turnkey solution for small video surveillance deployments.

The 16 and 24 port Pro models are suitable for larger installations requiring advanced functionality such as RAID protection, larger storage, increased camera support, and superior overall performance.

**KEY FEATURES**

- Preloaded and configured with ACC Video Management Software
- High performance of up to 400 Mbps (16 and 24 port) and 200 Mbps (8 port) of total throughput – simultaneous recording, playback, and live streaming
- Up to 24TB of recording capacity with the 1U rack mount appliances and 8TB of recording capacity with the 8-port model
- Front-accessible video storage hard drive streamlines maintenance
- Includes digital alarm inputs and outputs for integration with external systems
- Solid State Drive OS volume ensures high speed operation
- Embedded managed switch with powered PoE outputs provide up to 30 Watts of power per port on all ports
- Includes high-performance RAID 5 technology that protects and enables access to a drive’s data in the event of failure, even while the drive is being replaced and rebuilt*

*On Pro models only

Protected by a three-year warranty from Avigilon
# Outline Dimensions

## Video Appliance — 8 Port

(VMA-AS3-8P)

<table>
<thead>
<tr>
<th>Dimensions (LxWxH)</th>
<th>313 mm × 335 mm × 44 mm; 12.30“ × 13.2“ × 1.73“</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>3 kg; 6.4 lb</td>
</tr>
</tbody>
</table>

## Specifications

### SYSTEM
- **Control Center Edition**: Core; Standard and Enterprise compatible
- **Recording Rate**: Up to 100 Mbps
- **Playback Rate**: Up to 100 Mbps
- **Recording Image Rate**: Up to 30 images per second per channel
- **Local Viewing**: Yes
- **Operating System**: Microsoft® Windows 10 IoT Enterprise
- **Hard Disk Drive Configuration**: 1 x 3.5” SATA
- **Recording Storage Capacity**: Up to 8 TB
- **Memory**: 8 GB DDR4
- **Video Outputs**: 2 x HDMI ports
- **PoE+ Ports**: 8 x 10/100 Mbps(IEEE 802.3at)
- **PoE Output**: Up to 30W/Port (240W Total)
- **Camera Network Uplink**: 10/100/1000 Mbps
- **Corporate Network Uplink**: 10/100/1000 Mbps
- **External I/O Terminals**: 4 x Digital Inputs (25Vdc max.) and 4 x Relay Outputs (24Vdc/1A max.)
- **Switch Control**: Managed Switch with Web-based UI
- **USB**: 2 x USB 3.0

### MECHANICAL
- **Form Factor**: Small form factor
- **Dimensions (LxWxH)**: 313 mm × 335 mm × 44 mm; 12.30” × 13.2” × 1.73”
- **Weight**: 3 kg; 6.4 lb

### ELECTRICAL
- **Power Input**: 100 to 240 VAC, 50/60 Hz
- **Power Supply**: Single non-redundant
- **Power Consumption**: 80 W min.; 200 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
- **Certifications/Directives**: UL cUL CE RoHS WEEE RCM NOM NRCS
- **Safety**: UL 62368-1 CSA 62368-1 IEC/EN 62368-1
- **Electromagnetic Emissions**: (Class B) FCC Part 15 Subpart B IC ICES-003 IC ICES-003 EN 55032 EN 61000-6-3 EN 61000-6-2 EN 61000-6-3
- **Electromagnetic Immunity**: EN 55024 EN 61000-6-1

### ORDERING INFORMATION
- **PRODUCTS**: VMA-AS3-8P2 HD Video Appliance 8 Port 2 TB.
- **VMA-AS3-8P4** HD Video Appliance 8 Port 4 TB.
- **VMA-AS3-8P8** HD Video Appliance 8 Port 8 TB.
- **ACCESSORIES**: RMSUJ-B-AS3-8P 1U Rack Mountable Shelf for HDVA3 8-port
- **VMA-AS3-HDD02** HDVA3, 2TB Hard Drive Compatible with 8-Port, 16-Port
- **VMA-AS3-HDD04** HDVA3, 4TB Hard Drive Compatible with 8-Port, 16-Port, 24-Port
- **VMA-AS3-HDD08** HDVA3, 8TB Hard Drive Compatible with 8-Port, 24-Port
- **P5-270W-AS3-8P** HDVA3, 8-Port Power Supply - no power cord

### LICENSES
- Avigilon Control Center licenses must be purchased separately. Avigilon Appearance Search requires ACC Enterprise Edition.
- **ACC7-COR** ACC 7 Core Edition camera license
- **ACC7-STD** ACC 7 Standard Edition camera license
- **ACC7-ENT** ACC 7 Enterprise Edition camera license
- **VMA-AS3-xxPxx-NA**
- **VMA-AS3-xxPxx-UK**
- **VMA-AS3-xxPxx-EU**
- **VMA-AS3-xxPxx-AU**
Outline Dimensions

Video Appliance Pro — 16 Port
(VMA-AS3-16P)

[Diagram of Video Appliance Pro — 16 Port]

Video Appliance Pro — 24 Port
(VMA-AS3-24P)

[Diagram of Video Appliance Pro — 24 Port]
### Specifications

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>VIDEO APPLIANCE PRO 16-PORT</th>
<th>VIDEO APPLIANCE PRO 24-PORT</th>
</tr>
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<tr>
<td>Control Center Edition</td>
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<tr>
<td>Recording Rate</td>
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<td>Up to 300 Mbps</td>
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<tr>
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<td>Local Viewing</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Operating System</td>
<td>Microsoft Windows 10 IoT Enterprise</td>
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</tr>
<tr>
<td>Hard Disk Drive Configuration</td>
<td>RAID 5 — Up to 4 × 3.5” SATA</td>
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<tr>
<td>Recording Storage Capacity</td>
<td>Up to 12 TB</td>
<td>Up to 24 TB</td>
</tr>
<tr>
<td>Memory</td>
<td>8 GB DDR4</td>
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<td>Video Outputs</td>
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<tr>
<td>PoE+ Ports</td>
<td>16 × 10/100 Mbps (IEEE 802.3at)</td>
<td>24 × 10/100 Mbps (IEEE 802.3at)</td>
</tr>
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<td>PoE Output</td>
<td>Up to 30W/Port (240W Total)</td>
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### Mechanical

- **Form Factor**: 1U
- **Dimensions (LxWxH)**: 654.8 mm × 438.4 mm × 44 mm; 17.25” × 25.78” × 1.73”
- **Weight**: 10 kg; 22 lb

### Electrical

- **Power Input**: 100 to 240 VAC, 50/60 Hz
- **Power Supply**: Single non-redundant
- **Power Consumption**: 200 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

- **Certifications/Directives**: UL, cUL, CE, RoHS, WEEE, RCM, NOM, NRCS
- **Safety**: UL 62368-1, CSA 62368-1, IEC/EN 62368-1
- **Electromagnetic Emissions**: Class A, FCC Part 15 Subpart B, IC ICES-003, EN 55032, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3
- **Electromagnetic Immunity**: EN 55024, EN 61000-6-2

### Ordering Information

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<th>PRODUCT</th>
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<tr>
<td>VMA-AS3-16P06</td>
<td>HD Video Appliance Pro 16 Port 6TB.</td>
</tr>
<tr>
<td>VMA-AS3-16P09</td>
<td>HD Video Appliance Pro 16 Port 9TB.</td>
</tr>
<tr>
<td>VMA-AS3-16P12</td>
<td>HD Video Appliance Pro 16 Port 12TB.</td>
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<tr>
<td>VMA-AS3-24P12</td>
<td>HD Video Appliance Pro 24 Port 12TB.</td>
</tr>
<tr>
<td>VMA-AS3-24P18</td>
<td>HD Video Appliance Pro 24 Port 18TB.</td>
</tr>
<tr>
<td>VMA-AS3-24P24</td>
<td>HD Video Appliance Pro 24 Port 24TB.</td>
</tr>
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### Accessories

- **VMA-AS3-ANK**: Analytics Kit for Appearance Search and Face Recognition, 16/24-port
- **VMA-AS3-HDD02**: HDVA3, 2TB Hard Drive Compatible with 8-Port, 16-Port
- **VMA-AS3-HDD03**: HDVA3, 3TB Hard Drive Compatible with 16-Port
- **VMA-AS3-HDD04**: HDVA3, 4TB Hard Drive Compatible with 8-Port, 16-Port, 24-Port
- **VMA-AS3-HDD06**: HDVA3, 6TB Hard Drive Compatible with 24-Port
- **VMA-AS3-HDD08**: HDVA3, 8TB Hard Drive Compatible with 8-Port, 24-Port
- **PS-920W-AS3-16/24P**: HDVA3, 16/24-Port Power Supply - no power cord
- **RAILS-B-AS3-16/24P**: 1U Rack mount rails for HDVA3, 16/24-port

### Licenses

Avigilon Control Center licenses must be purchased separately. Avigilon Appearance Search requires ACC Enterprise Edition.

- **ACC7-COR**: ACC 7 Core Edition camera license
- **ACC7-STD**: ACC 7 Standard Edition camera license
- **ACC7-ENT**: ACC 7 Enterprise Edition camera license

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