

avigilonTM
a Motorola Solutions Company



Integrated Security Solutions
Security Solutions that Provide Actionable Results



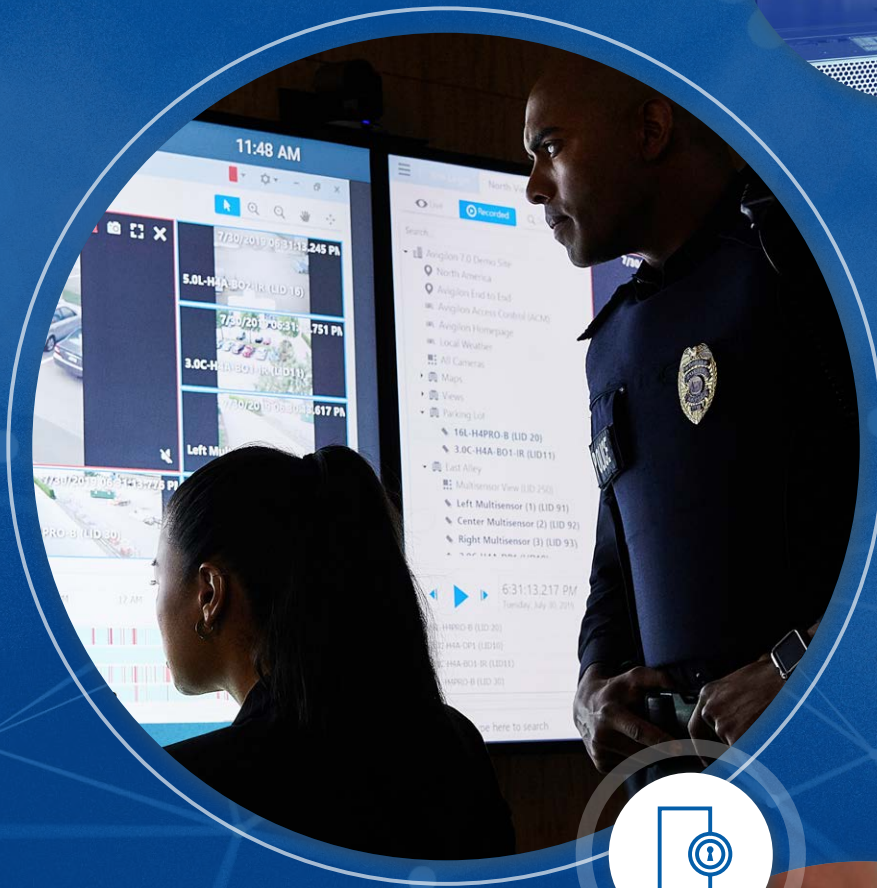
Detect



Verify



Act



Avigilon, a Motorola Solutions company, designs, develops and manufactures solutions in video analytics, cloud, security cameras, video management software and hardware, and access control.

Smarter. Safer. Together.

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Video Security

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Avigilon is an industry leader and, together with Motorola Solutions, provides integrated solutions for video security, access control and critical communications.



Smarter. Safer. Together.

Motorola Solutions Video and Security Systems Portfolio

Together with Motorola Solutions, Avigilon provides an integrated source for actionable information. If suspicious activity is flagged by Avigilon software, Motorola Solutions radios allow security operators to quickly contact each other, enabling them to take immediate action. This helps to simplify and support proactive event response for a safer site.

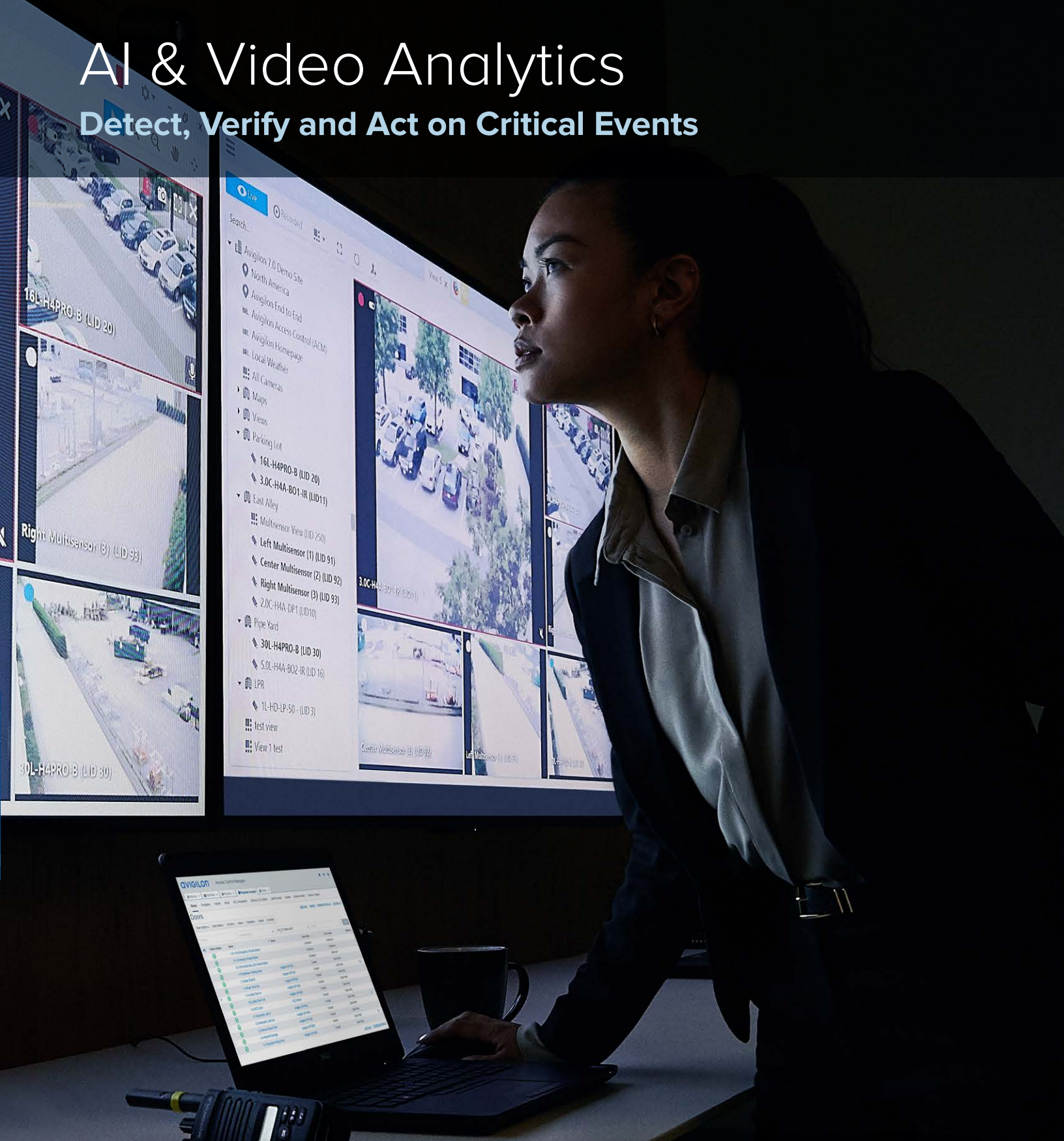
With the integration of Avigilon Control Center (ACC) video management software and Motorola Solutions' CommandCentral Aware and Ally softwares, an unparalleled solution for public safety now exists. CommandCentral Aware is part of Motorola Solutions' end-to-end suite of command center software, and through integration with ACC™ software, dispatchers and intelligence analysts will have one source for real-time intelligence that includes video feeds, incident details, alerts, data mapping and responder location.

And with our latest integration, Radio Alert, alarms can be sent as either a text or an audio alert right to a Motorola Solutions radio.



AI & Video Analytics

Detect, Verify and Act on Critical Events



Designed to solve real-world challenges and change the way you interact with your security system, our AI solutions help you detect, verify and act on critical events.



Person Loitering
Camera 064

3:12 pm

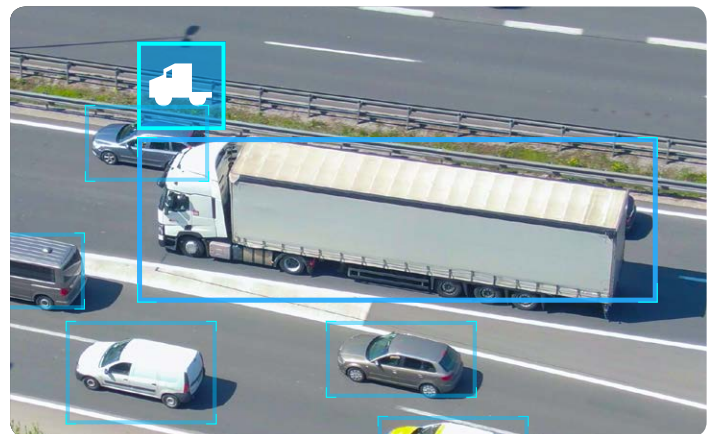
Focus of Attention Interface

A cutting-edge user interface for live video monitoring that leverages AI and video analytics technologies to determine what information is important and should be presented to security operators.

Avigilon Next-Generation Video Analytics

Video Security, Transformed

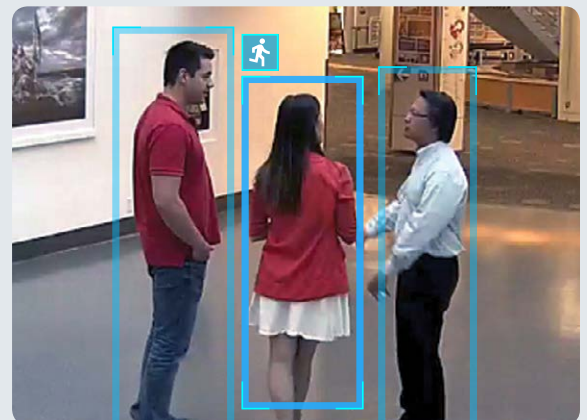
Expanded object classifications and more accurate detection in crowded scenes will help focus your attention on the most important information needed to help you detect, verify and act faster.



Self-Learning Video Analytics

Focus Your Attention Where it Matters Most

You can't be everywhere all the time — our self-learning video analytics solutions can monitor an area 24/7/365. They are designed to accurately recognize the movement of people and vehicles, differentiating it from motion that is not relevant to a scene. Their ability to constantly learn helps reduce false positives and ensure meaningful alerts.



Features and functionalities may not yet be available and, if and when available, may not be as depicted. User interfaces have been simulated for illustrative purposes.

Avigilon Appearance Search

Search Made Simple

Leverage the power of our AI video search engine, which can help dramatically improve incident response time. Sort through hours of video with ease to quickly locate a specific person or vehicle of interest across an entire campus, shopping center or facility.

Avigilon Appearance Search™ technology works with Avigilon video analytics cameras to generate, record and classify video data for effective searches. Avigilon Appearance Search technology provides advanced video search capabilities to enhance the user experience of a complete Avigilon solution.



ENABLED WITH

ACC SOFTWARE

P8

AI APPLIANCE

P22

NVR4

P20

Unusual Motion Detection

Turn Unknowns into Insights

Comb through hours of video with ease to find what you're looking for and reveal events that may have otherwise been missed. Without any predefined rules or setup, Unusual Motion Detection (UMD) technology uses artificial intelligence to continuously learn what typical activity in a scene looks like and then detect and flag unusual motion for your review.



EMBEDDED IN

H4A CAMERA LINE

H4 SL CAMERA LINE

H4 MINI DOME CAMERA

P12

License Plate Recognition Analytics

Highly Accurate Capture, Recognition & Search

Our license plate recognition (LPR) analytics technology automatically reads license plate information from vehicles, linking it to both live and recorded video. Create and import multiple vehicle license plate watch lists for instant alarm notification when a license plate match is detected, or search and quickly find specific captured license plate video for verification and investigation.



WORKS WITH

H4 LICENSE PLATE CAPTURE CAMERA

P18

Images and user interfaces have been simulated for illustrative purposes.



Video Management Software

Avigilon Control Center™ Software

Powerful software doesn't have to be complicated. ACC software leverages AI technology to help give you control over your video security and focus your attention on what matters most.

ACC FEATURES

- Automatic device discovery
- Support for third-party ONVIF® compliant cameras and encoders
- Support for H.265, H.264, MPEG4, MJPEG and JPEG2000 video compression
- ACC Mobile application
- Recording schedules
- Light and dark user interface themes to suit different viewing environments
- Video analytics overlays
- UMD timeline filtering with Skip Play
- Intelligent Motion, thumbnail and event search
- Two-factor authentication
- Two-person authenticated recorded video viewing

ACC EDITION COMPARISON

	Core	Standard	Enterprise
Cameras/Server	24	75	>300*
Servers/Site	1	1	>100*
Client Licenses per Server	2	10	Unlimited
Rule Triggers	0	51	Unlimited
Avigilon Presence Detector™ Event Trigger	×	✓	
Self-Learning Video Analytics Event Configuration	×	✓	
ACM™ Identity Verification	×	✓	
ACM Identity Search	×	✓	
ACM Remote Door Access Grants	×	✓	
Focus of Attention Interface	×		✓
AI Appliance Support	×		✓
H4 Pro Camera Support	×		✓
Alarm Search	×		✓
Avigilon Appearance Search Technology	×		✓
License Plate Event Search	×		✓
Blurred Export	×		✓
Failover Connections	×		✓

ONVIF is a trademark of ONVIF, Inc.
 *Avigilon has tested up to the number indicated, however no limits are imposed by licensing. Actual limits will depend on the hardware environment.



Mobile Video Management Capabilities

The ACC Mobile 3 app gives you the ability to monitor event alerts and video from your mobile device. Alerts can be sent directly to you and your team within seconds on mobile devices with the app installed.



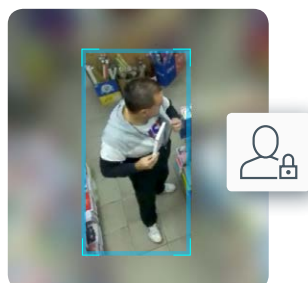
Powered by AI for Fast & Efficient Search

Avigilon Appearance Search technology sorts through hours of video with ease to quickly locate a specific person or vehicle of interest across a site or multiple sites in near real-time. The bookmark, event, alarm and thumbnail search options in ACC software are designed to enhance the way you interact with your systems, improve event response times and help make video actionable.

[LEARN MORE](#)

[AI AND ANALYTICS](#)

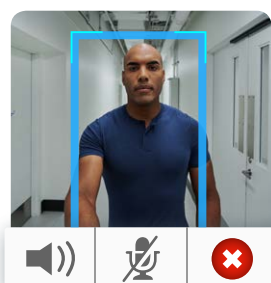
[P5](#)



Cybersecurity & Privacy Protection

ACC security measures include strong password enforcement, connection authentication and data encryption, as well as strict user permissions to access search functionality that uses personally-identifiable information.

Blurred Export helps support compliance with new data protection and privacy requirements of GDPR* by allowing you to export Avigilon Appearance Search results in ACC software while blurring the background of the camera view to feature only the person of interest in the video.



H4 Video Intercom Support

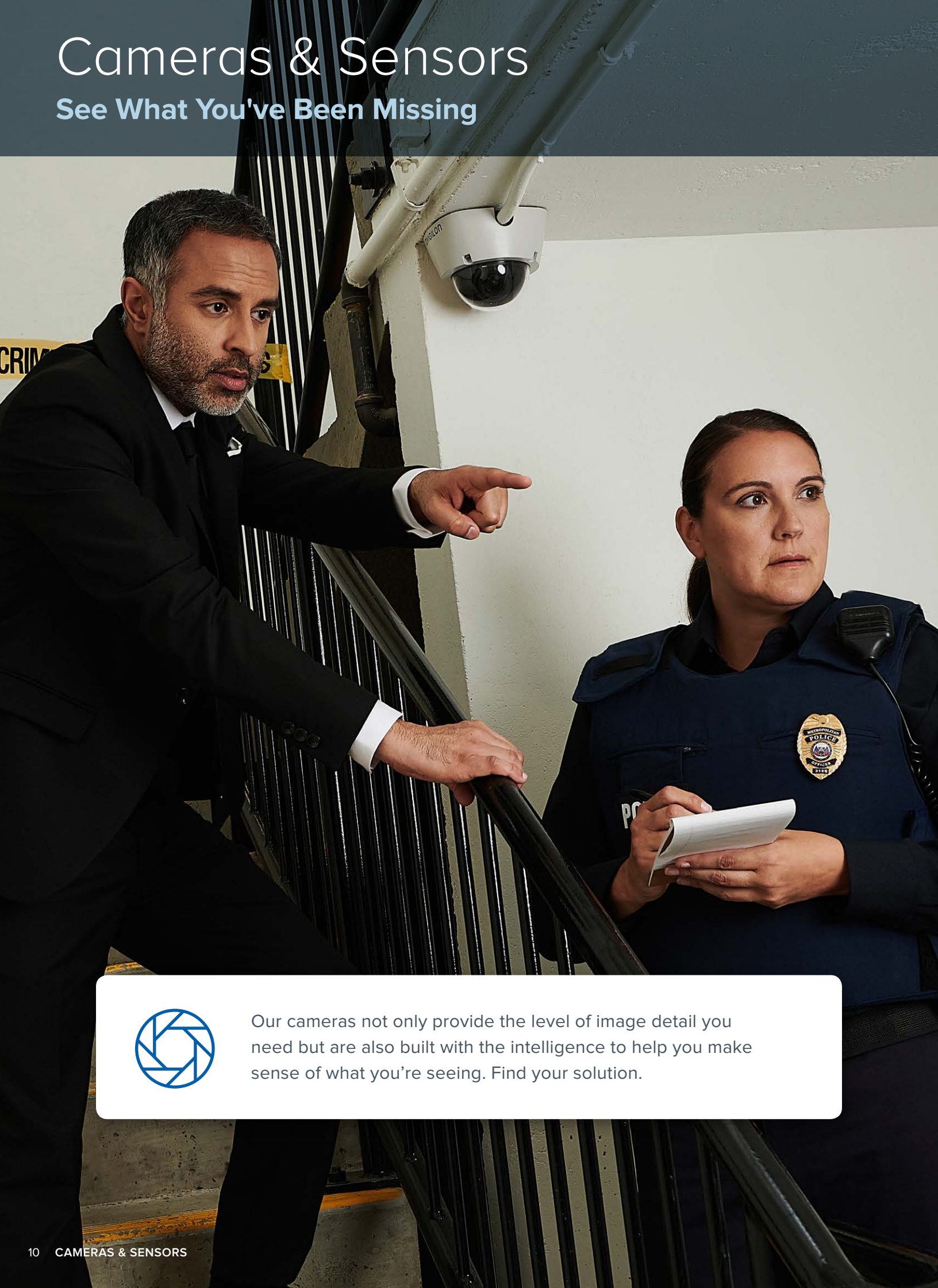
Enables operators to monitor and control access at entry points through two-way audio communication, video verification, and the ability to send a door grant through ACC software.

Images and user interfaces have been simulated for illustrative purposes.

*This statement is provided for informational purposes only and is not legal advice. If you are seeking legal or professional advice relating to compliance with applicable privacy legislation (including GDPR), you should contact qualified legal counsel.

Cameras & Sensors

See What You've Been Missing



Our cameras not only provide the level of image detail you need but are also built with the intelligence to help you make sense of what you're seeing. Find your solution.

Key Camera Technologies

Low-Light Image Capture



LightCatcher™ Technology

Produces significantly more color detail from a low-light scene by increasing the amount of light and detail captured via the camera and decreasing the noise in the image. This combination results in the ability to identify objects of interest more effectively.



IR Illumination Options

Content adaptive IR technology is an effective and flexible way to capture visual detail without a visible light source. Cameras with a zoom lens offer **zoom adaptive IR** to help ensure uniform illumination over the entire imaging area at a wide range of zoom distances.

Bandwidth Management



High Definition Stream Management (HDSM) Technology

Reduces bandwidth from the server to the ACC Client by to provide maximum image detail while minimizing bandwidth usage, helping to keep internet connectivity costs down.



HDSM SmartCodec™ Technology

Enables cameras to enhance compression levels for regions in a scene to help reduce bandwidth by up to 50% compared to standard H.264 and H.265 compression.

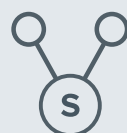


High Efficiency Video Coding

Offers about double the data compression ratio at the same level of quality compared to H.264 compression and supports resolutions up to 32 MP.

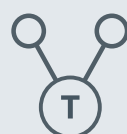
Integration with Third-Party Systems

As an ONVIF member, Avigilon continues to demonstrate commitment to open architecture and offering products that support interoperability with other ONVIF compliant solutions.



ONVIF Profile S Compliance

Meets ONVIF specifications relating to sending video data over an IP network to a Profile S client, as well as other functions like PTZ control, audio in, multicasting and relay outputs.



ONVIF Profile T Compliance

Supports advanced video streaming features such as the use of advanced encoding formats, imaging settings and alarm events such as motion and tampering detection, in addition to the functionalities required for Profile S compliance.




















H4A Camera Line

8 MP5 MP3 MP2 MP1 MP

Exceptional Image Quality, Video Analytics & Artificial Intelligence

H4A cameras offer great coverage and high image detail in a range of lighting environments and settings such as offices, hallways and building entrances.

 Box	<div>SURFACE</div>	 Made in America ¹ Using Globally-Sourced Materials and North American Expertise	 Automatic IR Cut Filter
 Bullet	<div>SURFACE</div>	<div> UMD Technology</div> <div> HDSM SmartCodec Technology</div> <div> Self-Learning Video Analytics</div> <div> Wide Dynamic Range Support²</div>	<div> Content Adaptive IR</div> <div> Weather & Impact Rated</div>
 Dome	<div>SURFACE</div> <div>IN-CEILING</div> <div>PENDANT</div>	<div> LightCatcher Technology³</div> <div> Remote Zoom and Focus</div> <div> ONVIF Profile S Compliant</div> <div> ONVIF Profile T Compliant</div>	<div> Content Adaptive IR⁴</div> <div> Weather & Impact Rated⁵</div>

¹ With manufacturing facilities in both the United States and Canada, our “Made in America” claim only applies to products from our Plano, Texas facility.

² For H4 Box and H4 Bullet cameras, wide dynamic range technology is available on 1 MP to 3 MP models only.

³ LightCatcher technology is available on 1 MP to 5 MP models.

⁴ Optional.

⁵ Outdoor model only.
















H5SL Camera Line

5 MP
3 MP
2 MP
1 MP

Value and Versatility, Combined

A versatile and cost-effective security solution that is backed by an industry-leading warranty. With value and simplicity at the heart of this camera line, you will enjoy the ease of installation, flexible design features and various lens options the H5SL offers.

 <p>Bullet</p>	<p>SURFACE</p>	<div>  Industry-Leading 5-Year Warranty  Made in America* Using Globally-Sourced Materials and North American Expertise  UMD Technology </div>
 <p>Dome</p>	<p>SURFACE</p> <p>IN-CEILING</p> <p>PENDANT</p>	<div>  H.265 & HDSM SmartCodec Technology  Content Adaptive IR  LightCatcher Technology  Dual Exposure Wide Dynamic Range </div> <div>  Audio & Relay I/O Connections  Multiple Lens Options  ONVIF Profile S Compliant  ONVIF Profile T Compliant </div>

H4 Mini Dome Camera

3 MP
2 MP
1.3 MP

Small & Discreet with a Modular Design

Ideal for your most space-constrained areas, the H4 Mini Dome camera provides exceptional features and image quality at an entry-level price point. The innovative, modular design allows it to snap into various mount adapters for fast and easy installations.

	<p>SURFACE</p> <p>IN-CEILING</p> <p>PENDANT</p>	<div>  Made in America* Using Globally-Sourced Materials and North American Expertise  UMD Technology  HDSM SmartCodec Technology  Content Adaptive IR </div> <div>  Dual Exposure Wide Dynamic Range  ONVIF Profile S Compliant  ONVIF Profile T Compliant </div>
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H4 Pro Camera

Security Industry's First Single-Sensor 30 MP (7K) Camera

H4 Pro cameras capture high-quality, detailed images over vast areas, making them ideal for stadiums, ports and critical infrastructure. They're built on the H4 platform to deliver greater processing power, increased frame rates and improved image quality, while intelligently managing storage and bandwidth.

30 MP 24 MP	 Our Highest Resolution Cameras	 Made in America* Using Globally-Sourced Materials and North American Expertise	 LightCatcher Technology
16 MP 12 MP 8 MP	 Self-Learning Video Analytics	 ONVIF Profile S Compliant	 Onboard Storage
			 HDSM™ 2.0 and HDSM SmartCodec Technologies

H4 PTZ Camera

2 MP 1 MP

Powerful, High-Speed Tracking with 360° Coverage

1 MP model offers 45x zoom and 2 MP model offers 30x zoom for high-quality, detailed images.








	IN-CEILING PENDANT	 Made in America* Using Globally-Sourced Materials and North American Expertise	 Self-Learning Video Analytics
		 LightCatcher Technology	 HDSM SmartCodec Technology
		 ONVIF Profile S Compliant	 Wide Dynamic Range
		 Weather & Impact Rated	 360-Degree Continuous Rotation

H4 Fisheye Camera

12 MP 6 MP

Capture a Complete Panoramic Scene without Blind Spots

Cost-effective, easy-to-install solution that's designed to provide high-resolution 360° coverage with fewer cameras.

	SURFACE PENDANT	 LightCatcher Technology	 HDSM SmartCodec Technology	 Content Adaptive IR
		 Weather & Impact Rated	 ONVIF Profile S Compliant	 ONVIF Profile T Compliant












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H4 Multisensor Camera

Exceptional Scene Coverage & Self-Learning Video Analytics

Provides exceptional scene coverage and high image detail with 3 or 4 individually-configurable camera sensors that can be positioned to monitor virtually any area. Delivers broad scene coverage with high image detail up to 32 MP total resolution and uses H.265 compression technology to significantly reduce bandwidth and storage requirements.

 4-Sensor	<div>32 MP</div> <div>20 MP</div> <div>12 MP</div>	<div>SURFACE</div> <div>IN-CEILING</div> <div>PENDANT</div>	<div> Made in America¹ Using Globally-Sourced Materials and North American Expertise</div> <div><div> Self-Learning Video Analytics</div><div> H.265 Video Encoding and HDSM SmartCodec Technology</div></div> <div><div> LightCatcher Technology</div><div> Content Adaptive IR²</div><div> Wide Dynamic Range</div></div> <div><div> Weather & Impact Rated</div><div> ONVIF Profile S Compliant</div><div> ONVIF Profile T Compliant</div></div>
 3-Sensor	<div>24 MP</div> <div>15 MP</div> <div>9 MP</div>		

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² Optional.












H4 IR PTZ Camera

2 MP

1 MP

PTZ Control with Advanced IR Performance

Zoomable IR technology — with a 250-meter (820-foot) illumination range — provides broad coverage and exceptional image quality in a range of lighting conditions and environments, including the rain. 1 MP model offers 45x zoom and 2 MP model offers 30x zoom.

 <div>PENDANT</div>	<div><div>Self-Learning Video Analytics</div><div>HDSM SmartCodec Technology</div></div> <div><div>360-Degree Continuous Rotation</div><div>Wide Dynamic Range</div></div> <div><div>Zoomable IR</div><div>Weather & Impact Rated</div></div> <div><div>LightCatcher Technology</div><div>ONVIF Profile S Compliant</div></div>
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H4ES Camera Line
























3 MP

2 MP

1 MP

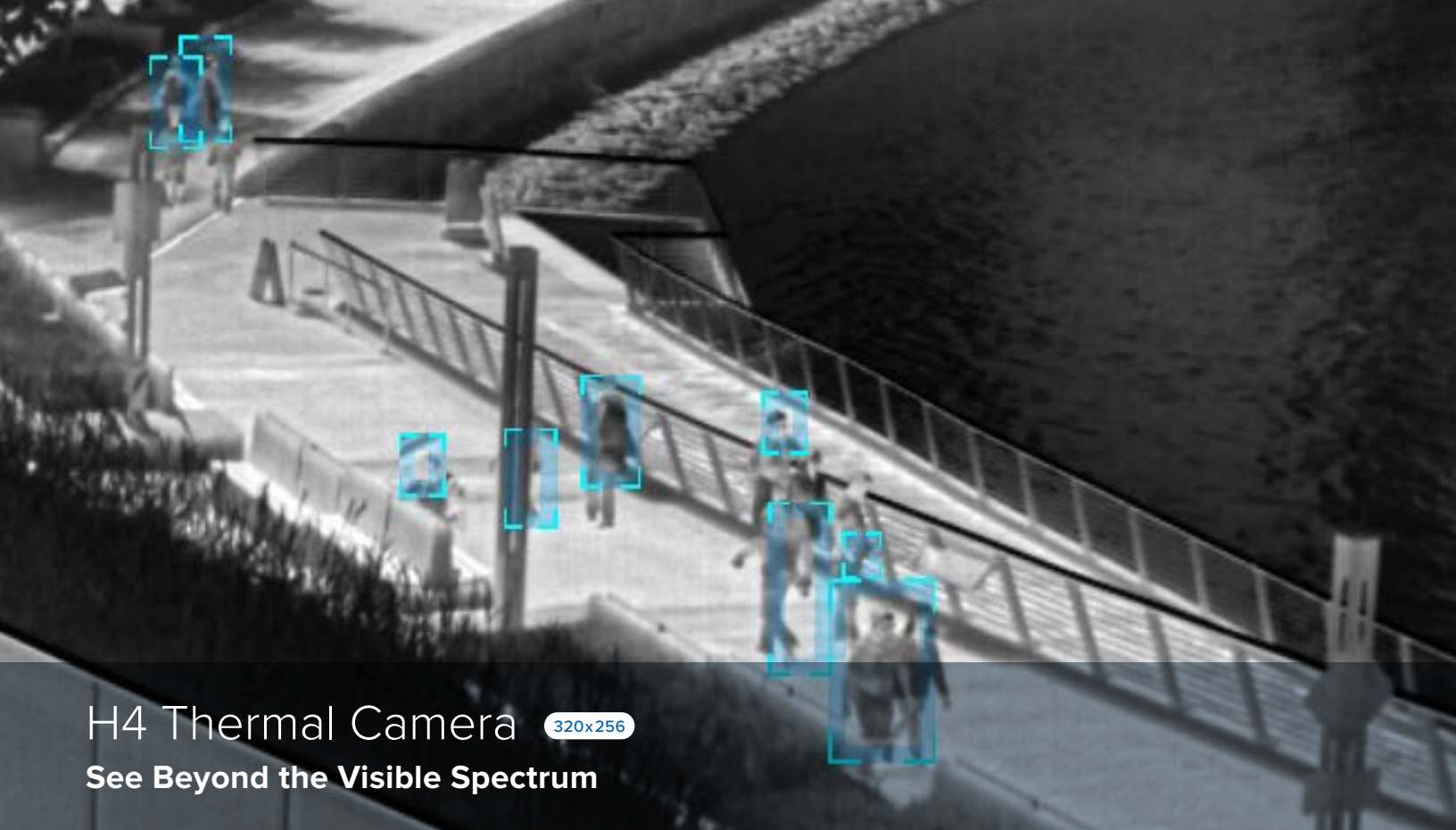
Camera, NVR & Video Management Software — All in One

Combines high-definition imaging, self-learning video analytics, network video recorder functionality with up to 256 GB on-board solid-state drive and embedded ACC software to create an all-in-one Avigilon intelligent security solution.

 <div>Box</div>	<div>SURFACE</div>	<div><div>Made in America* Using Globally-Sourced Materials and North American Expertise</div><div>Solid State Drive</div><div>Self-Learning Video Analytics</div><div>LightCatcher Technology</div><div>ONVIF Profile S Compliant</div></div> <div><div>HDSM SmartCodec Technology</div><div>Wide Dynamic Range Support</div><div>Remote Zoom and Focus</div><div>ONVIF Profile T Compliant</div></div>	<div><div>Automatic IR Cut Filter</div></div>
 <div>Bullet</div>	<div>SURFACE</div>	<div><div>Self-Learning Video Analytics</div><div>LightCatcher Technology</div><div>ONVIF Profile S Compliant</div></div> <div><div>Wide Dynamic Range Support</div><div>Remote Zoom and Focus</div><div>ONVIF Profile T Compliant</div></div>	<div><div>Content Adaptive IR</div><div>Weather & Impact Rated</div></div>
 <div>Dome</div>	<div>SURFACE</div> <div>IN-CEILING</div> <div>PENDANT</div>	<div><div>ONVIF Profile S Compliant</div><div>ONVIF Profile T Compliant</div></div>	

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H4 Thermal Camera

320x256

See Beyond the Visible Spectrum

Detect the movement of people and vehicles even in areas with poor visibility, challenging lighting conditions, absolute darkness and partly camouflaged scenes — without the need for additional light sources.

	<div>SURFACE</div>	<div> Made in America* Using Globally-Sourced Materials and North American Expertise</div> <div> HDSM SmartCodec Technology</div> <div> Multiple Athermalized Lens Options</div> <div> Self-Learning Video Analytics</div> <div> Weather & Impact Rated</div> <div> ONVIF Profile S Compliant</div>
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H4 License Plate Capture Camera

3 MP

Accurate License Plate Capture at a Range of Distances & Speeds

For applications where it's critical to obtain character recognition at vehicle speeds up to 100 km/hr (62 mph), from a range of distances, even in challenging lighting conditions.

	<div>SURFACE</div>	<div> Made in America* Using Globally-Sourced Materials and North American Expertise</div> <div> Content Adaptive IR</div> <div> Remote Zoom and Focus</div> <div> Weather & Impact Rated</div> <div> ONVIF Profile S Compliant</div>
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H4 Video Intercom 3 MP

Remotely Identify, Communicate & Authorize Access

Integrates a 3 MP camera for clear viewing and an intercom with echo-canceling technology for effective two-way communication with visitors. Combines with ACC and ACM software to create a secured entry system that enables operators to take action, whether they need to grant access, trigger a lockdown or initiate an Appearance Search for a visitor.

	<div>RECESSED</div> <div>SURFACE</div>	 Made in America* Using Globally-Sourced Materials and North American Expertise	 Self-Learning Video Analytics	 Bi-Directional Audio
		 LightCatcher Technology	 HDSM SmartCodec Technology	 ONVIF Profile S Compliant
		 Wide Dynamic Range	 Weather & Impact Rated	 Content Adaptive IR

Avigilon Presence Detector Sensor

Accurately Detect the Presence of a Person

A small form-factor impulse radar device, with self-learning radar analytics, that helps to solve the challenge of human presence detection in indoor areas where traditional devices may be limited. Provides extremely high accuracy at distances up to 9 meters (30 feet) from the sensor, even if the person is hidden or obstructed by objects such as blankets, cardboard, wood and drywall.

	<div>CEILING</div> <div>WALL</div>	 Made in America* Using Globally-Sourced Materials and North American Expertise	 Self-Learning Analytics	 Complete Visual Privacy

* With manufacturing facilities in both the United States and Canada, our “Made in America” claim only applies to products from our Plano, Texas facility.



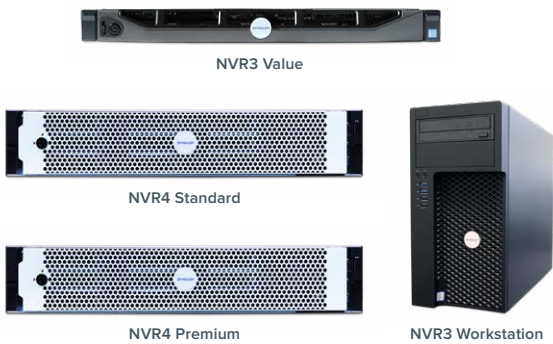
Video Infrastructure

Store as much or as little as you need with our secure, reliable and scalable video recording solutions, purpose-built for 24/7/365 video security performance.

Network Video Recorder

Pre-Loaded & Pre-Configured with ACC Server Software

Fourth-generation Avigilon Network Video Recorders (NVRs) offer our highest capacity, retention and throughput to provide secure, reliable and scalable platforms for high-performance security solutions. NVR4s come standard with optimized recording technology, a three-year Avigilon limited warranty with dedicated support and numerous additional features, including Avigilon Appearance Search technology.



Family	Network Video Recorder			
Model	NVR4 Premium	NVR4 Standard	NVR3 Value	NVR3 Workstation
Max. Throughput (Mbps)	1,800	1,150	384	120
Max. Record Rate (Mbps)	1,450	700	256	120
Storage Capacity (TB)	64–157	16–48	6–18	8
Max. Video Data Hard Drives	18 (RAID 6)	8 (RAID 6)	4 (RAID 5)	2 (JBOD)
Power over Ethernet Ports	0			
Self-Learning Video Analytics	✗			
Avigilon Appearance Search Support	✓		✓*	✗
Built-In Network Switch	✗			
Local Viewing	✗			✓

* Requires optional GPU kit.

HD Video Appliance

All-in-One Server, Storage Solution, Workstation & Network Switch



Our HD Video Appliances (HDVAs) are designed to help shorten installation time, simplify deployment and reduce the cost and complexity of your security system. All Avigilon HDVAs come pre-loaded with ACC software so you can be up and running in no time, plus our Pro 24-Port and 16-Port models feature advanced functionalities including replaceable power supplies and video drives, larger storage capacities and increased throughput.

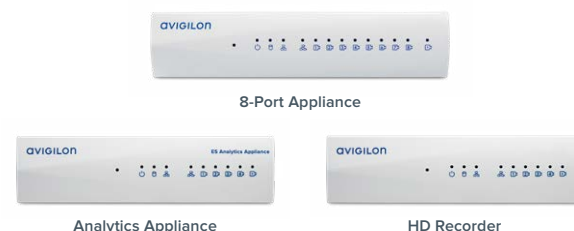


ACC ES Appliance

Record Locally. View Centrally. Manage Remotely.



All-in-one appliances that bring edge intelligence and built-in ACC software to organizations with multiple sites and critical assets requiring protection and monitoring. ACC ES products help avoid bandwidth issues by storing 30+ days of HD video locally near the camera, so you can easily view it remotely from a central location.



HD Video Appliance			ACC ES Appliance		
Pro 24-Port	Pro 16-Port	8-Port	8-Port Appliance	Analytics Appliance	HD Recorder
400	356	200	210	130	
300	256	100	130	80	
24	12	4	4–8	2–4	
4 (RAID 5)	4 (RAID 5)	1	1	1	1
24	16	8	8	4	4
×			×	✓	×
×			×		
✓			✓		
✓			×		

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Avigilon AI Appliance

Adds patented self-learning video analytics and Avigilon Appearance Search technology to any ONVIF-compliant IP camera to recognize the presence and movement of people and vehicles. Designed for high performance, capacity and resiliency, the AI Appliance features leading-edge hardware and comes in two models to support up to sixty 2 MP cameras for enterprise scalability.



Analytics for Virtually Any Camera

Bring the intelligence of Avigilon self-learning video analytics to any ONVIF compliant third-party camera for recognition of the presence and movement of people and vehicles.

Reliable & Easy to Install

Built on the same platform as the latest Avigilon NVR, includes onsite parts delivery and works with ACC software out of the box with minimal configuration.

On-Board GPU

Supports Avigilon Appearance Search technology when combined with ACC software, regardless of the NVR used.



Avigilon Video Archive (AVA)

A scalable storage expansion solution that integrates with ACC software and Avigilon NVRs. This cost-effective, storage option provides a path for expanding video archives incrementally over time. Built with the latest storage technology, the AVA delivers exceptional reliability with near-zero downtime, ensuring your video archives are preserved for swift on-demand retrieval and review.



Remote Monitoring Workstation

An easy way to implement additional high-resolution monitoring stations to existing systems. Select either a two- or four-monitor workstation, pre-loaded with ACC software. Featuring a maximum resolution of 3840 x 2160 (4K) per monitor.



Analog Video Encoder

A cost-effective way to migrate your legacy analog system to a network-based IP system, while still using your analog cameras. You get benefits like sharper, clearer images, remote viewing and monitoring, and the ability to migrate to a full digital system when you're ready.

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