

# FIXED CAMERAS & SENSORS

avigilon



# ADVANCED 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 providing 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.

### ONVIF PROFILE G COMPLIANCE

Designed for IP-based video systems, Profile G compliance includes devices that can record video data over an IP network or on the device itself. This compliance level also includes support for receiving audio and metadata stream, if supported by the client.



# H5A CAMERAS

## FEATURING NEXT-GENERATION AVIGILON VIDEO ANALYTICS

The Avigilon H5A camera line features our next-generation video analytics technology which can detect more objects with greater accuracy even in crowded scenes, whether objects are stationary or moving.

**RESOLUTION OPTIONS** 8 MP 6 MP 5 MP 4 MP 2 MP

### KEY FEATURES



Next-Generation Video Analytics



Industry-Leading 5-Year Warranty



Weather & Impact Rated<sup>1</sup>



LightCatcher Technology<sup>2</sup>



H.265 & HDSM SmartCodec Technology



ONVIF Profile S Compliant



Wide Dynamic Range Support<sup>3</sup>



Automatic IR Cut Filter<sup>4</sup>



ONVIF Profile T Compliant



Remote Zoom and Focus



Content Adaptive IR<sup>5</sup>



# H5A EXPLOSION-PROTECTED CAMERAS

## RUGGED AND RELIABLE SOLUTION FOR HAZARDOUS LOCATIONS

Avigilon H5A Explosion-Protected cameras are certified for hazardous locations according to applicable international standards. They are purpose-built for efficient operational monitoring and control of processes in environments that face the risk of explosions due to the presence of flammable gases or dust, including oil and gas, marine, industrial and food production sites.

**RESOLUTION OPTIONS** 6 MP 2 MP

### KEY FEATURES



Next-Generation Video Analytics



Explosion Protection



High Temperature Range



LightCatcher Technology



H.265 & HDSM SmartCodec Technology



ONVIF Profile S Compliant



Wide Dynamic Range Support



Automatic IR Cut Filter



ONVIF Profile T Compliant



<sup>1</sup> Applies to H5A Bullet camera and outdoor model of H5A Dome camera only

<sup>2</sup> LightCatcher technology is available on 1 MP to 5 MP models

<sup>3</sup> For H5A Box and H5A Bullet cameras, wide dynamic range technology is available on 1 MP to 3 MP models only

<sup>4</sup> Automatic IR cut filter available on H5A Box camera only

<sup>5</sup> Content Adaptive IR available only on H5A Bullet camera and as an optional feature for H5A Dome camera



## H5M CAMERA OUTDOOR DOME CAMERA

The Avigilon H5M camera provides a cost-effective solution for budget-conscious video security projects and is beneficial for sites that require a small footprint camera for outdoor use.

**RESOLUTION OPTIONS** 5 MP 2 MP

### KEY FEATURES



Unusual Motion Detection Technology



Industry-Leading 5-Year Warranty



ONVIF Compliant



LightCatcher Technology



H.264 & H.265 HDSM SmartCodec Technology



Wide Dynamic Range



Weather & Impact Rated



## H4 MINI DOME SMALL & DISCREET WITH A MODULAR DESIGN

Ideal for your most space-constrained areas and designed for fast and easy installation, the H4 Mini Dome camera provides exceptional features and image quality at an entry-level price point.

**RESOLUTION OPTIONS** 3 MP 2 MP 1.3 MP

### KEY FEATURES



Unusual Motion Detection Technology



Content Adaptive IR



ONVIF Profile S Compliant



Dual Exposure Wide Dynamic Range



HDSM SmartCodec Technology



ONVIF Profile T Compliant



## H5SL CAMERAS

### VALUE AND VERSATILITY, COMBINED

A versatile and cost-effective security solution — offering ease of installation, flexible design features and various lens options — that is backed by an industry-leading warranty.

**RESOLUTION OPTIONS** 5 MP 3 MP 2 MP 1 MP

#### KEY FEATURES



Unusual Motion Detection Technology



Industry-Leading 5-Year Warranty



Content Adaptive IR



LightCatcher Technology



H.265 & HDSM SmartCodec Technology



ONVIF Profile S Compliant



Dual Exposure Wide Dynamic Range



Automatic IR Cut Filter



ONVIF Profile T Compliant



Multiple Lens Options



Audio & Relay I/O Connections



## H4 THERMAL CAMERAS

### 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.

**RESOLUTION** 320x256

#### KEY FEATURES



Self-Learning Video Analytics



Weather & Impact Rated



HDSM SmartCodec Technology



Multiple Athermalized Lens Options



HDSM SmartCodec Technology



ONVIF Profile S Compliant



## H4 PRO CAMERAS

### OUR HIGHEST RESOLUTION CAMERAS

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.

**RESOLUTION OPTIONS** 30 MP 24 MP 16 MP 12 MP 8 MP

#### KEY FEATURES



Self-Learning Video Analytics<sup>1</sup>



LightCatcher Technology



Onboard Storage



HDSM™ 2.0 and HDSM SmartCodec Technologies



ONVIF Profile S Compliant<sup>1</sup>



## H4 LICENSE PLATE CAPTURE CAMERA KIT

### 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.

**RESOLUTION OPTIONS** 3 MP

#### KEY FEATURES



Content Adaptive IR



ONVIF Profile S Compliant



Weather & Impact Rated



Remote Zoom and Focus



## H4ES CAMERAS

### 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.

**RESOLUTION OPTIONS** 3 MP 2 MP 1 MP

#### KEY FEATURES



Self-Learning Video Analytics



Solid State Drive



Weather & Impact Rated



LightCatcher Technology<sup>3</sup>



HDSM SmartCodec Technology



ONVIF Profile S Compliant



Wide Dynamic Range Support



Automatic IR Cut Filter



ONVIF Profile T Compliant



Remote Zoom and Focus



Content Adaptive IR





## H4 MULTISENSOR CAMERAS

### EXCEPTIONAL SCENE COVERAGE & SELF-LEARNING VIDEO ANALYTICS

Provides exceptional scene coverage and high image detail with three or four individually-configurable camera sensors that can be positioned to monitor virtually any area.

**RESOLUTION OPTIONS**    **4-SENSOR** 32 MP 20 MP 12 MP    **3-SENSOR** 24 MP 15 MP 9 MP

#### KEY FEATURES



Self-Learning Video Analytics



Weather & Impact Rated



Content Adaptive IR<sup>1</sup>



LightCatcher Technology



H.265 & HDSM SmartCodec Technology



ONVIF Profile S Compliant



Wide Dynamic Range



Automatic IR Cut Filter



ONVIF Profile T Compliant



## H4 FISHEYE CAMERA

### CAPTURE A COMPLETE PANORAMIC SCENE WITHOUT BLIND SPOTS

A cost-effective, easy-to-install solution that is designed to provide broad, high-definition coverage with fewer cameras and is available in 6 and 12 MP resolutions featuring exceptional frame rates up to 30 FPS.

**RESOLUTION OPTIONS** 12 MP 6 MP

#### KEY FEATURES



LightCatcher Technology<sup>3</sup>



Weather & Impact Rated



ONVIF Profile S Compliant



Content Adaptive IR



HDSM SmartCodec Technology



ONVIF Profile T Compliant



## H4 IR PTZ CAMERA

### 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.

**RESOLUTION OPTIONS** 2 MP 1 MP

#### KEY FEATURES



Self-Learning Video Analytics



Weather & Impact Rated



Zoomable IR



LightCatcher Technology<sup>3</sup>



HDSM SmartCodec Technology



ONVIF Profile S Compliant



Wide Dynamic Range



360-Degree Continuous Rotation



## H4 PTZ CAMERA

### 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.

**RESOLUTION OPTIONS** 2 MP 1 MP

#### KEY FEATURES



Self-Learning Video Analytics



Weather & Impact Rated



Content Adaptive IR



LightCatcher Technology<sup>3</sup>



HDSM SmartCodec Technology



ONVIF Profile S Compliant



Wide Dynamic Range



360-Degree Continuous Rotation





# H4 VIDEO INTERCOM

## 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.

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### RESOLUTION OPTIONS 3 MP

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#### KEY FEATURES



Self-Learning Video Analytics



Bi-Directional Audio



Weather & Impact Rated



LightCatcher Technology<sup>3</sup>



HDSM SmartCodec Technology



ONVIF Profile S Compliant



Wide Dynamic Range Support



Content Adaptive IR

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# AVIGILON PRESENCE DETECTOR (APD) 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. The APD™ sensor 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 or drywall.

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#### KEY FEATURES



Self-Learning Video Analytics



Complete Visual Privacy

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