Day/Night H.264 HD Outdoor Dome Cameras

Avigilon’s end-to-end surveillance solutions deliver image detail no other system can match. Avigilon™ Control Center software, featuring High Definition Stream Management (HDSM)™ technology combined with our broad range of megapixel cameras (from 1 MP to 29 MP) provide unprecedented clarity—while effectively managing storage and bandwidth requirements. Our components are scalable and can work together in an end-to-end system, or can be customized to create your own powerful and cost-effective solution.

The innovative H.264 HD outdoor dome cameras are just one way Avigilon can help provide the very best monitoring and protection.

The H.264 HD outdoor dome cameras are a great solution for monitoring both daytime and nighttime activities, with peace of mind due to their vandal resistant construction. They feature an integrated lens for remote focus and zoom control and are ONVIF compliant for no-hassle integration. The outdoor dome cameras operate on Avigilon’s H3 platform, providing these models with improved low light performance and enhanced HDSM™ software features. P-Iris control also allows the cameras to automatically set their iris position to maximize image quality in all lighting conditions, while onboard storage capabilities let you manage storage directly on the cameras using a standard SD memory card. These cameras are extremely versatile and can work in almost any location, including banks, schools, retail outlets, municipal grounds and buildings, hotels, bars and restaurants.

KEY FEATURES

Progressive scan CMOS sensor
Unsurpassed image quality
Available with 3-9 mm F1.2 or 9-22 mm F1.6 P-Iris lens with remote focus and zoom
Up to 30 images per second
Wide Dynamic Range
SD card slot for onboard storage support
H.264 and Motion JPEG compression
ONVIF API compliance with version 1.02, 2.00 and Profile S
Zoom and content adaptive integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 15 m (50 ft) away
Power over Ethernet, 24 VAC or 12 VDC power input
Analog Video Output
Vandal resistant construction and IP66 compliant
## Specifications

### IMAGE PERFORMANCE

<table>
<thead>
<tr>
<th>Resolution</th>
<th>1.3 MP (LIGHTCATCHER)</th>
<th>1.0 MP</th>
<th>2.0 MP</th>
<th>3.0 MP</th>
<th>5.0 MP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor</td>
<td>1/3&quot; progressive scan CMOS</td>
<td>1/2.7&quot; progressive scan CMOS</td>
<td>WDR 1/3&quot; progressive scan CMOS</td>
<td>1/3.2&quot; progressive scan CMOS</td>
<td></td>
</tr>
<tr>
<td>Active Pixels</td>
<td>1280 (H) x 1024 (V)</td>
<td>1280 (H) x 720 (V)</td>
<td>1920 (H) x 1080 (V)</td>
<td>2048 (H) x 1536 (V)</td>
<td>2592 (H) x 1944 (V)</td>
</tr>
<tr>
<td>Imaging Area</td>
<td>4.8 mm (H) x 3.84 mm (V); 0.189&quot; (H) x 0.151&quot; (V)</td>
<td>5.9 mm (H) x 3.3 mm (V); 0.231&quot; (H) x 0.129&quot; (V)</td>
<td>4.5 mm (H) x 3.4 mm (V); 0.177&quot; (H) x 0.133&quot; (V)</td>
<td>4.6 mm (H) x 3.4 mm (V); 0.181&quot; (H) x 0.133&quot; (V)</td>
<td></td>
</tr>
<tr>
<td>Minimum Illumination</td>
<td>0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode</td>
<td>0.2 lux (F1.2) in color mode; 0.02 lux (F1.2) in monochrome mode</td>
<td>0.3 lux (F1.2) in color mode; 0.03 lux (F1.2) in monochrome mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-9 mm lens:</td>
<td>0.04 lux (F1.6) in color mode; 0.004 lux (F1.6) in monochrome mode</td>
<td>0.4 lux (F1.6) in color mode; 0.04 lux (F1.6) in monochrome mode</td>
<td>0.6 lux (F1.6) in color mode; 0.06 lux (F1.6) in monochrome mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic Range</td>
<td>71 dB</td>
<td>69 dB</td>
<td>100 dB</td>
<td>69 dB</td>
<td></td>
</tr>
<tr>
<td>Image Rate</td>
<td>30 (all resolutions)</td>
<td>20 (at full resolution)</td>
<td>13 (at full resolution)</td>
<td>30 (at 1920 x 1080 or smaller)</td>
<td></td>
</tr>
<tr>
<td>Resolution Scaling</td>
<td>Down to 768 x 432</td>
<td>Down to 480 x 360</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lens</td>
<td>3-9 mm, F1.2, P-Iris, remote focus and zoom</td>
<td>9-22 mm, F1.6, P-Iris, remote focus and zoom</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Angle of View</td>
<td>30° - 88°</td>
<td>35° - 98°</td>
<td>28° - 84°</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-9 mm lens:</td>
<td>13° - 30°</td>
<td>15° - 35°</td>
<td>12° - 28°</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9-22 mm lens:</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

### LENS

- **Image Sensor**: 1/3" progressive scan CMOS
- **Active Pixels**: 1280 (H) x 1024 (V)
- **Imaging Area**: 4.8 mm (H) x 3.84 mm (V); 0.189" (H) x 0.151" (V)
- **Minimum Illumination**: 0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode
- **Dynamic Range**: 71 dB
- **Image Rate**: 30 (all resolutions)
- **Resolution Scaling**: Down to 768 x 432
- **Lens**: 3-9 mm, F1.2, P-Iris, remote focus and zoom
- **Angle of View**: 30° - 88°
- **Minimum Illumination**: 0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode
- **Dynamic Range**: 71 dB
- **Image Rate**: 30 (all resolutions)
- **Resolution Scaling**: Down to 768 x 432
- **Lens**: 3-9 mm, F1.2, P-Iris, remote focus and zoom
- **Angle of View**: 30° - 88°
- **Minimum Illumination**: 0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode
- **Dynamic Range**: 71 dB
- **Image Rate**: 30 (all resolutions)
- **Resolution Scaling**: Down to 768 x 432

### IMAGE CONTROL

- **Image Compression Method**: H.264 (MPEG-4 Part 10/AVC), Motion JPEG
- **Streaming**: Multi-stream H.264 and Motion JPEG
- **Electronic Shutter Control**: Automatic, Manual (1/6 to 1/2000 sec)
- **Iris Control**: Automatic, Manual
- **Day/Night Control**: Automatic, Manual
- **Flicker Control**: Automatic, Manual
- **Backlight Compensation**: Adjustable
- **Privacy Zones**: Up to 64 zones
- **Audio Compression Method**: G.711 PCM 8 kHz
- **Audio Input/Output**: Line level input and output, A/V mini-jack (3.5 mm)
- **Video Output**: NTSC/PAL, A/V mini-jack (3.5 mm)
- **External I/O Terminals**: Alarm In, Alarm Out
- **IR Illumination (option)**: 3-9 mm lens; Surface Mount Indoor Camera without LightCatcher Technology; 850 nm wavelength; 15 m (50 ft) max. distance of IR illumination at 0 lux

### NETWORK

- **Network**: 100BASE-TX
- **Cabling Type**: CATS
- **Connector**: RJ-45
- **Security**: OnVIF compliance version 1.02, 2.00, Profile S (www.onvif.org)
- **IP Protocol**: IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, ICMPv6, DHCP, Zeroconf, ARP
- **Streaming Protocols**: RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCPP, RTP/RTSP/HTTP/TCPP, RTP/RTSP/HTTPS/TCPP, HTTP

### MECHANICAL

- **Dimensions (ØxH)**: 152 mm x 109 mm; 6.0" x 4.3"
- **Weight**: 1.28 kg (2.82 lbs)
- **Dome Bubble**: Polycarbonate, clear
- **Body**: Aluminum
- **Finish**: Powder coat, cool gray 2
- **Adjustment Range**: 360° pan, 180° tilt (122° tilt with -IR option), 180° azimuth
- **Onboard Storage**: SD/SDHC/SDXC slot – minimum class 4; class 6 or better recommended
- **Power Consumption**: 9 W (10 W for -IR option)
- **Power Source**: VDC: 12 V +/- 10%, 10 W min (10 W min with -IR option)
- **Power Connector**: 2-pin terminal block

### ELECTRICAL

- **Power Source**: VDC: 12 V +/- 10%, 10 W min (10 W min with -IR option)
- **Power Consumption**: 9 W (10 W for -IR option)

### ENVIRONMENTAL

- **Operating Temperature**: -30 °C to +50 °C (-22 °F to 122 °F)
- **Storage Temperature**: -10 °C to +70 °C (14 °F to 158 °F)

### CERTIFICATIONS

- **Safety**: UL 60950
- **Environmental**: IK00 Impact Rating, Meets IP66 Weather Rating
- **Electromagnetic Emissions**: FCC Part 15 Subpart B Class B, IC ICES-003 Class B
- **Electromagnetic Immunity**: EN 55024, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11
Outline Dimensions

H3-DO

H3-DP

Ordering Information

SURFACE MOUNT OUTDOOR DOME CAMERAS

1.0-H3-DO1 1.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera
1.0-H3-DO1-IR 1.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator
1.0-H3-DO2 1.0 Megapixel Day/Night H.264 HD 9-22 mm Outdoor Dome Camera
1.3L-H3-DO1 1.3 Megapixel H.264 HD 3-9 mm Outdoor Dome Camera with LightCatcher Technology
1.3L-H3-DO2 1.3 Megapixel H.264 HD 9-22 mm Outdoor Dome Camera with LightCatcher Technology
2.0-H3-DO1 2.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera
2.0-H3-DO1-IR 2.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator
2.0-H3-DO2 2.0 Megapixel Day/Night H.264 HD 9-22 mm Outdoor Dome Camera
3.0W-H3-DO1 3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Outdoor Dome Camera
3.0W-H3-DO1-IR 3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator
3.0W-H3-DO2 3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm Outdoor Dome Camera
5.0-H3-DO1 5.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera
5.0-H3-DO1-IR 5.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator
5.0-H3-DO2 5.0 Megapixel Day/Night H.264 HD 9-22 mm Outdoor Dome Camera
H3-DOP-SMOKE Dome Camera Cover with Smoked Bubble

PENDANT DOME CAMERAS

1.0-H3-DP1 1.0 Megapixel Day/Night H.264 HD 3-9 mm Pendant Dome Camera
1.0-H3-DP2 1.0 Megapixel Day/Night H.264 HD 9-22 mm Pendant Dome Camera
1.3L-H3-DP1 1.3 Megapixel H.264 HD 3-9 mm Pendant Dome Camera with LightCatcher Technology
1.3L-H3-DP2 1.3 Megapixel H.264 HD 9-22 mm Pendant Dome Camera with LightCatcher Technology
2.0-H3-DP1 2.0 Megapixel Day/Night H.264 HD 3-9 mm Pendant Dome Camera
2.0-H3-DP2 2.0 Megapixel Day/Night H.264 HD 9-22 mm Pendant Dome Camera
3.0W-H3-DP1 3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Pendant Dome Camera
3.0W-H3-DP2 3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm Pendant Dome Camera
5.0-H3-DP1 5.0 Megapixel Day/Night H.264 HD 3-9 mm Pendant Dome Camera
5.0-H3-DP2 5.0 Megapixel Day/Night H.264 HD 9-22 mm Pendant Dome Camera
H3-DOP-SMOKE Dome Camera Cover with Smoked Bubble

MNT-PEND-WALL Indoor/Outdoor Pendant Mount Bracket

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