1.3 Megapixel H.264 HD Indoor Dome Camera
with LightCatcher™ Technology

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 dome camera is just one way Avigilon can help provide the very best monitoring and protection.

In environments where low-light conditions exist, capturing a crisp image in color can have a significant impact in the ability to recognize, identify and respond effectively to incidents that may occur. Avigilon's 1.3 MP H.264 HD camera features advanced LightCatcher™ technology, which collects significantly more detail from a low-light scene to produce a higher quality color image with less noise. Onboard storage capabilities let you manage storage directly on the camera using a standard SD memory card. Operating on Avigilon's upgraded H3 platform, this camera is ONVIF compliant for seamless integration with the Avigilon Control Center and other leading VMS solutions. Avigilon's 1.3 MP HD camera with LightCatcher™ technology is ideal for all situations where surveillance with monochrome images is not acceptable, such as hotel lobbies, restaurants, stairwells, or commercial premises
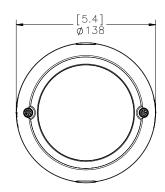
KEY FEATURES

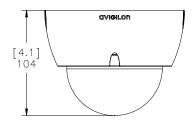| |
|---|
| 1.3 megapixel progressive scan CMOS sensor |
| Avigilon LightCatcher™ technology provides unsurpassed image quality in low light environments |
| Available with 3-9 mm F1.2 P-Iris lens with remote focus and zoom |
| 30 images per second at full resolution |
| 71 dB true dynamic range |
| 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 |
| Multiple video streams |
| Automatic removable IR cut filter for IR sensitivity at night |
| Power over Ethernet, 24 VAC or 12 VDC power input |
| Audio Input and Output |
| Analog Video Output |
| External I/O |

Specifications

<table>
<tr><td rowspan="25">CAMERA</td></tr>
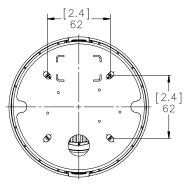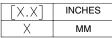<tr><td>Image Sensor</td><td>1/3" progressive scan CMOS</td></tr>
<tr><td>Active Pixels</td><td>1280 (H) x 1024 (V)</td></tr>
<tr><td>Imaging Area</td><td>4.8 mm (H) x 3.84 mm (V); 0.189" (H) x 0.151" (V)</td></tr>
<tr><td>Minimum Illumination</td><td>0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode</td></tr>
<tr><td>Dynamic Range</td><td>71 dB</td></tr>
<tr><td>Lens</td><td>3-9 mm, F1.2, P-Iris, remote focus and zoom</td></tr>
<tr><td>Angle of View</td><td>30° - 88°</td></tr>
<tr><td>Image Compression Method</td><td>H.264 (MPEG-4 Part 10/AVC), Motion JPEG</td></tr>
<tr><td>Image Rate</td><td>30 (all resolutions)</td></tr>
<tr><td>Streaming</td><td>Multi-stream H.264 and Motion JPEG</td></tr>
<tr><td>Resolution Scaling</td><td>Down to 768 x 432</td></tr>
<tr><td>Motion Detection</td><td>Selectable sensitivity and threshold</td></tr>
<tr><td>Electronic Shutter Control</td><td>Automatic, Manual (1/6 to 1/2000 sec)</td></tr>
<tr><td>Iris Control</td><td>Automatic, Manual</td></tr>
<tr><td>Day/Night Control</td><td>Automatic, Manual</td></tr>
<tr><td>Flicker Control</td><td>50 Hz, 60 Hz</td></tr>
<tr><td>White Balance</td><td>Automatic, Manual</td></tr>
<tr><td>Backlight Compensation</td><td>Adjustable</td></tr>
<tr><td>Privacy Zones</td><td>Up to 64 zones</td></tr>
<tr><td>Audio Compression Method</td><td>G.711 PCM 8 kHz</td></tr>
<tr><td>Audio Input</td><td>Line input, A/V mini-jack (3.5 mm)</td></tr>
<tr><td>Audio Output</td><td>Line level, A/V mini-jack (3.5 mm)</td></tr>
<tr><td>Video Output</td><td>NTSC/PAL, A/V mini-jack (3.5 mm)</td></tr>
<tr><td>External I/O Terminals</td><td>Alarm In, Alarm Out</td></tr>
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<tr><td rowspan="8">NETWORK</td></tr>
<tr><td>Network</td><td>100BASE-TX</td></tr>
<tr><td>Cabling Type</td><td>CAT5</td></tr>
<tr><td>Connector</td><td>RJ-45</td></tr>
<tr><td>API</td><td>ONVIF compliance version 1.02, 2.00, Profile S (www.onvif.org)</td></tr>
<tr><td>Security</td><td>Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication.</td></tr>
<tr><td>Protocol</td><td>IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP,UDP, IGMP, ICMP, DHCP, Zeroconf, ARP</td></tr>
<tr><td>Streaming Protocols</td><td>RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP</td></tr>
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<tr><td rowspan="9">MECHANICAL</td></tr>
<tr><td>Dimensions (ØxH)</td><td>138 mm x 104 mm (5.4" x 4.1)</td></tr>
<tr><td>Weight</td><td>0.53 kg (1.17 lbs)</td></tr>
<tr><td>Dome Bubble</td><td>Polycarbonate, clear</td></tr>
<tr><td>Body</td><td>Plastic</td></tr>
<tr><td>Housing</td><td>Surface mount, tamper resistant</td></tr>
<tr><td>Finish</td><td>Plastic, RAL 9003</td></tr>
<tr><td>Adjustment Range</td><td>360° pan, 180° tilt (122° tilt with -IR option), 180° azimuth</td></tr>
<tr><td>Onboard Storage</td><td>SD/SDHC/SDXC slot – minimum class 4; class 6 or better recommended</td></tr>
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<tr><td rowspan="4">ELECTRICAL</td></tr>
<tr><td>Power Consumption</td><td>5 W</td></tr>
<tr><td>Power Source</td><td>VDC: 12 V +/- 10%, 6 W min
VAC: 24 V +/- 10%, 8 VA min
PoE: IEEE802.3af Class 3 compliant</td></tr>
<tr><td>Power Connector</td><td>2-pin terminal block</td></tr>
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<tr><td rowspan="3">ENVIRONMENTAL</td></tr>
<tr><td>Operating Temperature</td><td>-10 °C to +50 °C (14 °F to 122 °F)</td></tr>
<tr><td>Storage Temperature</td><td>-10 °C to +70 °C (14 °F to 158 °F)</td></tr>
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<tr><td rowspan="4">CERTIFICATIONS</td></tr>
<tr><td>Safety</td><td>UL 60950
CSA 60950</td><td>EN 60950-1
CE</td><td>ROHS
WEEE</td></tr>
<tr><td>Electromagnetic Emissions</td><td>FCC Part 15 Subpart B Class B</td><td>IC ICES-003 Class B</td><td>EN 55022 Class B</td></tr>
<tr><td>Electromagnetic Immunity</td><td>EN 55024
EN 61000-4-2
EN 61000-4-3</td><td>EN 61000-4-5
EN 61000-4-4</td><td>EN 61000-4-6
EN 61000-4-11</td></tr>
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<tr><td rowspan="3">ORDERING INFORMATION</td></tr>
<tr><td>1.3L-H3-D1</td><td>1.3 Megapixel H.264 HD 3-9mm Indoor Dome Camera with LightCatcher™ Technology</td></tr>
<tr><td>H3-D-SMOKE</td><td>Dome Camera Cover with Smoked Bubble</td></tr>
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Outline Dimensions

[X.X]	INCHES
X	MM

1.3L-H3-D1