

Day/Night H.264 HD Indoor Dome Cameras

AVIGILON

Avigilon offers the broadest range of high definition cameras in the industry – from 1 – 5 MP and 4 – 7K (based on horizontal resolution) – and are available in a variety of formats, including dome, panoramic and fixed. Whether it's a small storefront that requires a few cameras or a large complex system requiring complete coverage of numerous areas, you can trust that you're getting the best solution for your security needs.

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



The H.264 HD indoor dome cameras are a great solution for monitoring both daytime and nighttime activities. They feature an integrated lens for remote focus and zoom control and are ONVIF compliant for no-hassle integration. The indoor dome cameras operate on Avigilon's H3 platform, providing these models with improved low light performance with wide dynamic range support 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

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|---|
| 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 |
| Integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 15 m (50 ft) away |
| Zoom and content adaptive IR provides the most effective illumination at all zoom positions while preventing image saturation |
| Power over Ethernet, 24 VAC or 12 VDC power input |
| Analog Video Output |

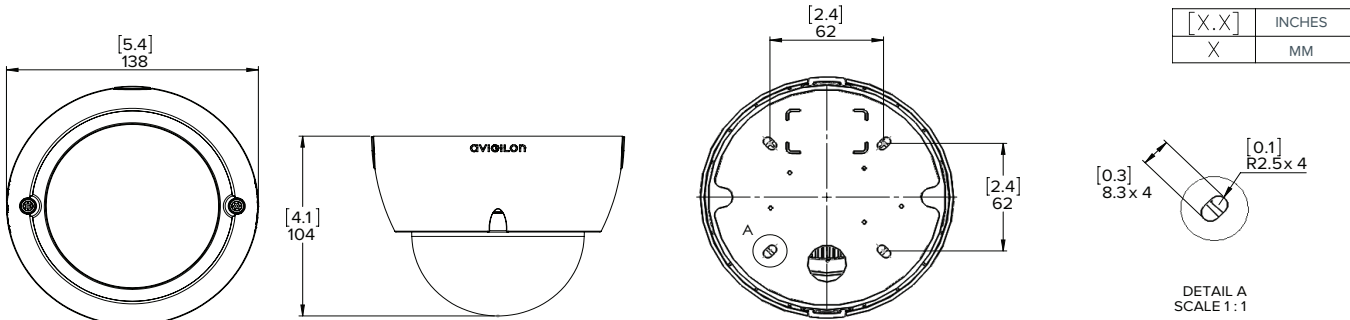
Specifications

H.264 HD INDOOR
DOME CAMERAS

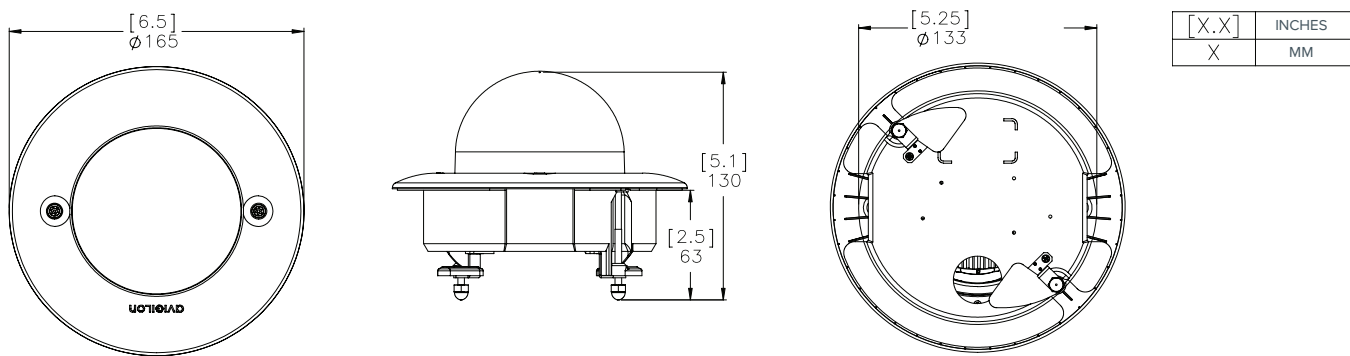
| | | 1.3 MP (LIGHTCATCHER™) | 1.0 MP | 2.0 MP | 3.0 MP | 5.0 MP | | |
|--------------------------|--|--|--|--|--|--|--|--|
| IMAGE PERFORMANCE | Image Sensor | 1/3" progressive scan CMOS | | 1/2.7" progressive scan CMOS | | WDR 1/3" progressive scan CMOS | | |
| | Active Pixels | 1280 (H) x 1024 (V) | | 1280 (H) x 720 (V) | 1920 (H) x 1080 (V) | 2048 (H) x 1536 (V) | | |
| | Imaging Area | 4.8 mm (H) x 3.84 mm (V); 0.189" (H) x 0.151" (V) | | 5.9 mm (H) x 3.3 mm (V); 0.231" (H) x 0.129" (V) | | 4.5 mm (H) x 3.4 mm (V); 0.177" (H) x 0.133" (V) | | |
| | Minimum Illumination | 3-9 mm lens: | 0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode | | 0.2 lux (F1.2) in color mode; 0.02 lux (F1.2) in monochrome mode | | 0.3 lux (F1.2) in color mode; 0.03 lux (F1.2) in monochrome mode | |
| | | 9-22 mm lens: | 0.04 lux (F1.6) in color mode; 0.004 lux (F1.6) in monochrome mode | | 0.4 lux (F1.6) in color mode; 0.04 lux (F1.6) in monochrome mode | | 0.6 lux (F1.6) in color mode; 0.06 lux (F1.6) in monochrome mode | |
| | Dynamic Range | 71 dB | | 69 dB | | 100 dB | 69 dB | |
| | Image Rate | 30 (all resolutions) | | | | 20 (at full resolution) | 13 (at full resolution) | |
| Resolution Scaling | Down to 768 x 432 | | | | Down to 480 x 360 | | | |
| LENS | Lens | 3-9 mm, F1.2, P-Iris, remote focus and zoom | | | | | | |
| | | 9-22 mm, F1.6, P-Iris, remote focus and zoom | | | | | | |
| | Angle of View | 3-9 mm lens: | 30° - 88° | 35° - 98° | 28° - 84° | | | |
| | 9-22 mm lens: | 13° - 30° | 15° - 35° | 12° - 28° | | | | |
| IMAGE CONTROL | Image Compression Method | H.264 (MPEG-4 Part 10/AVC), Motion JPEG | | | | | | |
| | Streaming | Multi-stream H.264 and Motion JPEG | | | | | | |
| | Motion Detection | Selectable sensitivity and threshold | | | | | | |
| | Electronic Shutter Control | Automatic, Manual (1/6 to 1/2000 sec) | Automatic, Manual (1/6 to 1/8000 sec) | | | | | |
| | Iris Control | Automatic, Manual | | | | | | |
| | Day/Night Control | Automatic, Manual | | | | | | |
| | Flicker Control | 50 Hz, 60 Hz | | | | | | |
| | White Balance | 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/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 | CAT5 | | | | | | |
| | Connector | RJ-45 | | | | | | |
| | API | ONVIF compliance version 1.02, 2.00, Profile S (www.onvif.org) | | | | | | |
| | Security | Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication | | | | | | |
| | Protocol | IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP | | | | | | |
| | Streaming Protocols | RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP | | | | | | |
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| MECHANICAL | | SURFACE MOUNT INDOOR DOME CAMERA | | | IN-CEILING DOME CAMERA | | | |
| | Dimensions (ØxH) | 138 mm x 104 mm; 5.4" x 4.1" | | | 165 mm x 130 mm; 6.5" x 5.1" | | | |
| | Weight | 0.53 kg (1.17 lbs) | | | 0.56 kg (1.2 lbs) | | | |
| | Dome Bubble | Polycarbonate, clear | | | | | | |
| | Body | Plastic | | | | | | |
| | Housing | Surface mount, tamper resistant | | | Recessed mount, tamper resistant | | | |
| | Finish | Plastic, RAL 9003; | | | | | | |
| | 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 | | | | | | | |
| ELECTRICAL | Power Consumption | 5 W (10 W for -IR option) | | | | | | |
| | Power Source | VDC: 12 V +/- 10%, 6 W min (10 W min with -IR option) VAC: 24 V +/- 10%, 8 VA min (12 VA min with -IR option) | | | PoE: IEEE802.3af Class 3 compliant | | | |
| | Power Connector | 2-pin terminal block | | | | | | |
| | RTC Backup Battery | 3V Manganese Lithium | | | | | | |
| ENVIRONMENTAL | Operating Temperature | -10 °C to +50 °C (14 °F to 122 °F) | | | | | | |
| | Storage Temperature | -10 °C to +70 °C (14 °F to 158 °F) | | | | | | |
| | Humidity | 0 - 95% non-condensing | | | | | | |
| CERTIFICATIONS | Certifications/Directives | UL | cUL | CE | ROHS | WEEE | RCM | EAC |
| | Safety | UL 60950-1 | | CSA 60950-1 | | IEC/EN 60950-1 | | IEC 62471 (only for models with IR-Illuminators) |
| | Electromagnetic Emissions | FCC Part 15 Subpart B Class B | | IC ICES-003 Class B | | EN 55022 Class B | | EN 61000-6-3 EN 61000-3-2 EN 61000-3-3 |
| | Electromagnetic Immunity | EN 55024 | | | | EN 61000-6-1 | | |

Outline Dimensions

H3-D



H3-DC



Ordering Information

SURFACE MOUNT INDOOR DOME CAMERAS

| | |
|---------------|--|
| 1.0-H3-D1 | 1.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera |
| 1.0-H3-D1-IR | 1.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator |
| 1.0-H3-D2 | 1.0 Megapixel Day/Night H.264 HD 9-22 mm Indoor Dome Camera |
| 1.3L-H3-D1 | 1.3 Megapixel H.264 HD 3-9 mm Indoor Dome Camera with LightCatcher Technology |
| 1.3L-H3-D2 | 1.3 Megapixel H.264 HD 9-22 mm Indoor Dome Camera with LightCatcher Technology |
| 2.0-H3-D1 | 2.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera |
| 2.0-H3-D1-IR | 2.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator |
| 2.0-H3-D2 | 2.0 Megapixel Day/Night H.264 HD 9-22 mm Indoor Dome Camera |
| 3.0W-H3-D1 | 3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Indoor Dome Camera |
| 3.0W-H3-D1-IR | 3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator |
| 3.0W-H3-D2 | 3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm Indoor Dome Camera |
| 5.0-H3-D1 | 5.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera |
| 5.0-H3-D1-IR | 5.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator |
| 5.0-H3-D2 | 5.0 Megapixel Day/Night H.264 HD 9-22 mm Indoor Dome Camera |

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| H3-D-SMOKE | Dome Camera Cover with Smoked Bubble |
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IN-CEILING DOME CAMERAS

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| 1.0-H3-DC1 | 1.0 Megapixel Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera |
| 1.0-H3-DC2 | 1.0 Megapixel Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera |
| 1.3L-H3-DC1 | 1.3 Megapixel H.264 HD 3-9 mm In-Ceiling Dome Camera with LightCatcher Technology |
| 1.3L-H3-DC2 | 1.3 Megapixel H.264 HD 9-22 mm In-Ceiling Dome Camera with LightCatcher Technology |
| 2.0-H3-DC1 | 2.0 Megapixel Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera |
| 2.0-H3-DC2 | 2.0 Megapixel Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera |
| 3.0W-H3-DC1 | 3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera |
| 3.0W-H3-DC2 | 3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera |
| 5.0-H3-DC1 | 5.0 Megapixel Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera |
| 5.0-H3-DC2 | 5.0 Megapixel Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera |

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| H3-DC-SMOKE | Dome Camera Cover with Smoked Bubble |
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| H3-DC-PNL | Metal Ceiling Panel |
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