AVIGILON™

AVA DOME CAMERA

Avigilon Alta Cloud Security

The AI-powered Avigilon Ava Dome Camera for Alta Aware provides versatile, robust security in indoor and outdoor environments. With up to 4K resolution, remote zoom and focus, HDR and IR illumination, the Dome security camera provides crisp, clear images even in challenging lighting conditions. On-camera storage and processing and cloud management minimize physical infrastructure, enabling plug and play configuration for fast deployments. Intelligent video and audio analytics help detect threats in real-time, and provide valuable insights to improve operations.

Fixed IR dome with motorized zoom and focus

Built-in AI video and audio analytics and on-device storage

Versatile, robust and sleek, fit for both the harshest outdoor and discreet indoor setups

Factory-installed certificates backed by a trusted platform module (TPM)

Dynamic resolution up to 4K

NDAA-Compliant: designed and developed in Norway and the UK, manufactured in Taiwan

MOTOROLA SOLUTIONS

FEATURES

IMAGE SENSOR

8MP (4K) or 5MP

IMAGE SENSOR SIZE FORMAT

1/1.8"

LENS

Focal length: 3.6-10mm

Aperture: ƒ/1.5-ƒ/2.8

Remote zoom and focus

P-iris

IR NIGHT VISION

Automatic night mode

IR-cut filter

IR range: 30m

850 nm IR LED

MINIMUM ILLUMINATION IN COLOR MODE

0.15lux

FIELD OF VIEW

100°-45° horizontal

53°-25° vertical

MAXIMUM RESOLUTION & FRAME RATE 8MP

3840x2160@30fps

MAXIMUM RESOLUTION & FRAME RATE 5MP

3072x1728@30fps

DYNAMIC RANGE

Multi-exposure line-based HDR

VIDEO COMPRESSION

H.264

Motion JPEG

AUDIO

Microphone array (4x microphones)

AI audio event classification

Audio source localization

SECURITY

Factory-installed certificates

No default passwords

Mandatory access authentication

HTTPS/TLS encryption

ONVIF

ONVIF® compliance Profile S. Requires the camera to be set to ONVIF Mode. (www.onvif.org)

NETWORK PROTOCOLOS

IPv4, HTTPS, TLS, DNS, mDNS, DNS-SD, NTP, RTSP, RTP, RTCP, ICMP, DHCP, ARP

Streaming: RTP/UDP, RTP/RTSP/HTTPS/TCP

POWER SOURCE

PoE+ (802.3at Type 2)

For installation only: USB-C (1.5A mode)

POWER CONSUMPTION

Typical: 5W

Max without heater: 13W

Max with heater: 23W

STORAGE

MicroSD

SDXC UHS-I

CONNECTION

802.3ab 10/100/1000 Gigabit Ethernet

USB-C for preview and setup

INSTALLATION AID

Electronic leveler

Flexible bracket, mounts to standard back boxes.
Refer to technical drawing.

ADJUSTMENT RANGE

Pan

Tilt

Azimuth

IMPACT RESISTANCE

IK10 (IEC/EN 62262)

INGRESS PROTECTION

IP66 (IEC/EN 60529)

TEMPERATURE

Operating: -40°C to +50°C

Storage: -40°C to +60°C

PHYSICAL CHARACTERISTICS

Dimensions: 152x152x96mm

Weight: 1.2 kg

Body: Aluminum

EMC

EN 55032

EN 61000-3-2/-3

EN 55024

EN 55035

EN 61000-6-1/-3

EN61000-6-2/-4

FCC Part 15B

ICES-003 Issue 6

SAFETY

IEC60950-1

IEC62368-1

IEC60950-22

UL/CSA60950-1

UL/CSA 62368-1
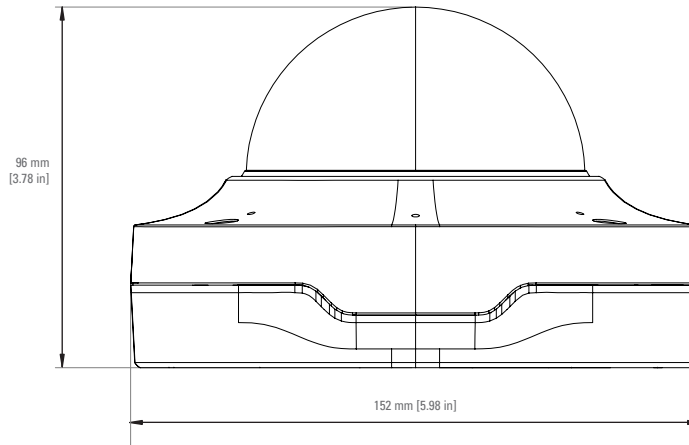
UL E164374

NOM-019

IEC62471(IR LED)

WARRANTY

10-year warranty with Alta Aware license or 3-year warranty without
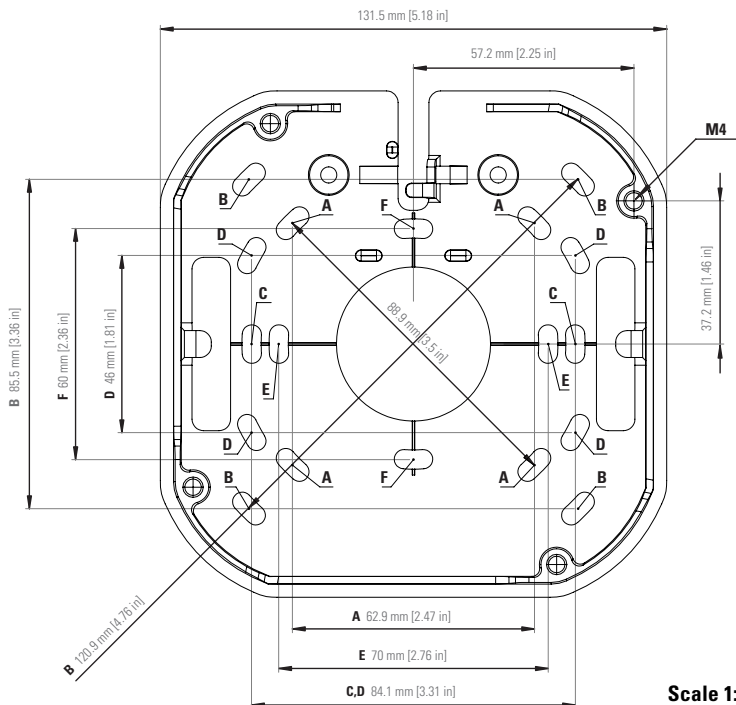
TECHNICAL DRAWINGS

Camera

Side view

96 mm
[3.78 in]

152 mm [5.98 in]

Scale 1:2

Mounting Bracket

Top view

131.5 mm [5.18 in]

57.2 mm [2.25 in]

M4

37.2 mm [1.46 in]

B 85.5 mm [3.36 in]

F 60 mm [2.36 in]

D 46 mm [1.81 in]

88.9 mm [3.5 in]

B 120.9 mm [4.76 in]

B   A   F   A   B

D   D

C   C

E   E

D   D

B   A   F   A   B

A 62.9 mm [2.47 in]

E 70 mm [2.76 in]

C,D 84.1 mm [3.31 in]

Scale 1:2

	DESIGNATION	DIMENSION (MM)	DIMENSION (INCH)
A	Octagon	62.9 x 62.9 (88.9 diagonal)	2.47 x 2.47 (3.50 diagonal)
B	4" Square Box	85.5 x 85.5 (120.9 diagonal)	3.36 x 3.36 (4.76 diagonal)
C	Single Gang	84.1	3.31
D	Double Gang	84.1 x 46	3.31 x 1.81
E	EU Ceiling Box	70	2.76
F	EU Outlet Box	60	2.36

ORDERING INFORMATION

AVIGILON AVA DOME

PRODUCT ID	RESOLUTION	ONBOARD RETENTION	DEPLOYMENT	COLOR
DOME-W-5MP-30	5MP	30 days	Alta Aware Cloud	White
DOME-B-5MP-30	5MP	30 days	Alta Aware Cloud	Black
DOME-W-5MP-60	5MP	60 days	Alta Aware Cloud	White
DOME-B-5MP-60	5MP	60 days	Alta Aware Cloud	Black
DOME-W-5MP-120	5MP	120 days	Alta Aware Cloud	White
DOME-B-5MP-120	5MP	120 days	Alta Aware Cloud	Black
DOME-W-4K-30	4K	30 days	Alta Aware Cloud	White
DOME-B-4K-30	4K	30 days	Alta Aware Cloud	Black
DOME-W-4K-60	4K	60 days	Alta Aware Cloud	White
DOME-B-4K-60	4K	60 days	Alta Aware Cloud	Black
DOME-W-5MP	5MP	No	Alta Aware on-prem	White
DOME-B-5MP	5MP	No	Alta Aware on-prem	Black
DOME-W	4K	No	Alta Aware on-prem	White
DOME-B	4K	No	Alta Aware on-prem	Black

ACCESSORIES

PRODUCT ID	PRODUCT NAME	COLOR
ACC-PEN-CAP-W	Avigilon Ava Pendant Mounting Cap	White
ACC-PEN-CAP-B	Avigilon Ava Pendant Mounting Cap	Black
ACC-MNT-ARM-W	Avigilon Ava Wall Mount Arm	White
ACC-MNT-ARM-B	Avigilon Ava Wall Mount Arm	Black
ACQ-PEN-HEA	Avigilon Ava Pendant Head	White
ACQ-PEN-PIP	Avigilon Ava Pendant Pipe 40cm	White
ACC-POL-BRA-W	Avigilon Ava Pole Bracket	White
ACC-POL-BRA-B	Avigilon Ava Pole Bracket	Black
ACC-CRN-BRA-W	Avigilon Ava Corner Bracket	White
ACC-CRN-BRA-B	Avigilon Ava Corner Bracket	Black
ACC-CON-A34-W	Avigilon Ava Conduit Adapter 3/4"	White
ACC-CON-A34-B	Avigilon Ava Conduit Adapter 3/4"	Black

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