

2 MP

WiFi-enabled

Up to 10-Year Warranty

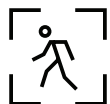
Avigilon Flex cloud cameras

Cost-effective, cloud-based flexibility



The AI-powered, cloud-native Avigilon Flex wireless camera provides smart, enterprise physical security features in an affordable, easy-to-install package to provide security to small business, retail stores, and other distributed businesses.

Compliant with NDAA 2019 Section 889



See and understand more

Utilize image recognition and machine learning to detect anomalies in real-time, allowing for proactive notifications before issues escalate.



Identify critical sounds

Enhance your situational awareness with built-in audio analytics that expand your security coverage beyond the visual range.



Understand sensory insights

Integrated image and audio to improve indoor spaces, protect equipment and reduce the loss of goods.



Install virtually anywhere

Simplify installation with a simple plug-and-play setup that eliminates pre-configuration and offers wireless connectivity. Quickly onboard the camera to Alta Video by scanning a QR code.



Access from anywhere, securely

Manage and view your cameras easily at any time using the Alta Video platform. Stay up-to-date with automatic firmware updates and reduce the need for maintenance.

To learn more, visit avigilon.com/security-cameras/ava-flex



Specifications

IMAGE PERFORMANCE		2 MP
Image sensor		1/2.7"
Active pixels (H x V)		1920 × 1080
Aspect ratio		16:9
Dynamic range		100 dB (HDR off) up to 120 dB (HDR on)
Max. frame rate (50 Hz/60 Hz)		15fps
Streaming resolutions and bitrates: (H x V)	Maximum	1080p (1920x1080)** 15fps @1.5Mbps
	High	1080p (1920x1080)** 15fps @1.5Mbps
	Medium	360p (640x360) 15fps @ 750Kbps
	Low	512x288 10fps @ 500Kbps
Maximum concurrent streams per camera		8

**These cameras only provide three resolutions: low, medium and maximum. When selecting high resolution, the camera defaults to using the maximum settings.

LENS AND IR		2 MP
Lens		3.3 mm, F/1.1
Angle of view (H x V)		110° x 58°
Illumination		Adaptive white light Color night mode
Minimum illumination		<0.1lux



IMAGE CONTROL	
Image compression method	H.264
Electronic shutter control	Automatic
Iris control	Fixed
Day/Night control	Automatic, Manual
Flicker control	50/60 Hz
White balance	Automatic

NETWORK	
Network	100BASE-TX
Cabling Type	CAT5e minimum/WiFi - (WPA2-PSK (AES), WPA3-SAE) + USB-C
Connector	RJ-45/USB-C
ONVIF ¹	ONVIF compliance, Profile S, Profile T, Profile G, and Profile M (www.onvif.org)
Security	TPM 2.0, Factory-installed certificates, No default passwords, Mandatory access authentication, HTTPS/TLS encryption
Protocol	IPv4, HTTPS, DNS, mDNS, DNS-SD, NTP, RTSP, RTP, RTCP, , DHCP, ARP
Streaming Protocols	RTP/UDP, RTP/RTSP/HTTPS/TCP
Platform Compatibility	Avigilon Alta Video, Avigilon Unity ACC ¹ , 3rd party VMS ¹

¹ Requires the camera to be running in ONVIF mode.



MECHANICAL

Dimensions - with Ball mount (LxWxH)	Camera and ball mount	3.15" x 3.15" x 3.77" (80mm x 80mm x 96mm)
	Camera only	3.15" x 3.15" x 1.5" (80mm x 80mm x 38mm)
Weight	Camera and ball mount	0.44 lb (202g)
	Camera only	0.31 lb (142g)

ELECTRICAL

Power Consumption		3.5W (Typical) 6W (Maximum)
Power Source	PoE	IEEE 802.3af, Class 2 compliant
	USB-C	USB-C 1.5A

ENVIRONMENTAL

Operating temperature	32°F to 104°F (0°C to +40°C)
Storage temperature	-40°F to 140°F (-40°C to +60°C)
Environment	Indoor environments/applications only

CERTIFICATIONS

Safety Standards	UL 62368, UL 62368, LVD
Electromagnetic Emissions Standards	EN 55032, 2014/53/EU, BS NE55032, SI 2017/1206, AS/NZS CISPR 32, FCC Part 15B, ICES-003 Issue 6
Warranty	10 Year Warranty



Analytics specifications

DETECTED ATTRIBUTES

Object Attributes

Any object
(Vehicle and person)

Vehicle

Sub-types:

- Small/Medium Vehicles (sedan, SUV, pickup truck, etc.)
- Large Vehicles (bus, truck)
- Two-wheeled Vehicles (bicycle, motorcycle)
- Unclassified Vehicles

Vehicle color:

- Only this color
- Ignore this color

License plate¹:

- Any plate
- Exact match
- Matches group
- Starts with
- Ends with
- Includes
- Exclude <groups>

Person:

- Fall detection (Search only)
- Accessories:
 - With/Without bag
- Clothing color:
 - Only this color
 - Ignore this color
 - Upper body clothing color
 - Lower body clothing color

Face²:

- All faces
- Select watchlists

¹ Requires additional license.

² Requires additional license. Check national and local legislation for guidance on the use of face search and face watchlists.



SUPPORTED AUDIO EVENTS

Audio Events ³	• Glass breaking • Loud noise • Screaming • Smoke alarm • Car alarm • Ultrasound panic alarm • Dog bark • Tire screeching
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³ Requires compatible cameras or microphones.

SUPPORTED ANALYTIC RULES

Access Control ⁴	When integrated with suitable access control systems, create rules for access events.
Anomaly	Rule triggered on detected anomalies based on: • Unusual time of day • Unusual location • Unusual velocity • Unusual sound
Appearance	Any object Vehicle: • Type • Color • License plate⁵: • Any plate • Exact match • Matches groups • Starts with • Ends with • Includes • Use an image Person: • Accessories: With/without Bag • Clothing color • Use an image Face⁶: • All faces • Select watchlists
Counts	Rule triggered when the count of objects of the selected type either exceeds or is less than the selected threshold.
Line crossing	Crossing a virtual line set up for:



SUPPORTED ANALYTIC RULES

	Vehicle: • Type • Color • License plate: • Any plate • Exact match • Matches groups • Starts with • Ends with • Includes • Use an image Person: • Accessories: With/without Bag • Clothing color • Use an image Face: • All faces • Select watchlists
Loitering	Rule triggered when an object of the selected type and attributes loiters in the selected area for the selected period of time.
Point-of-sale ⁷	Search/rule set up based on text field and price.
Sound	Rule triggered when sounds of specified types is detected.
System	Camera issues: • Any camera • Camera connection failure (timeout after minutes) • Unmet retention period (days) • Alta camera • SD card failure • Analytics failure • Camera top cover removed • Camera in recovery mode • Camera not storing • Image health System issues: • Internal appliance issues: • Cloud Connector connection issues • Software issues • Disk failures • Disk missing • Disk space • Audi log storage limit (%) • External connection issues: • Cloud connection



SUPPORTED ANALYTIC RULES

- Access control connection

⁴ License not required for Alta Access integration

⁵ Requires additional license.

⁶ Requires additional license. Check national and local legislation for guidance on the use of face search and face watchlists.

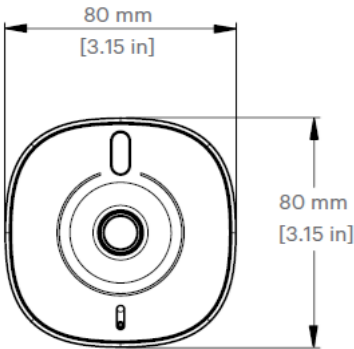
⁷ Requires additional license and integration.



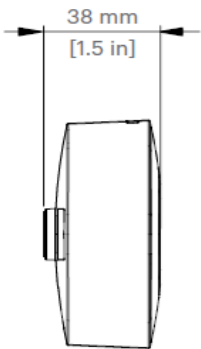
Outline dimensions

[X.X]	INCHES
X	MM

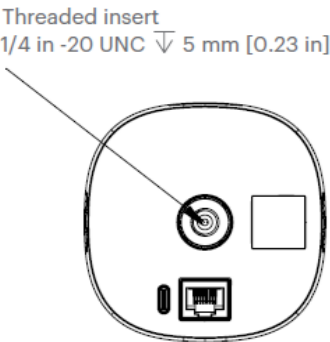
CAMERA BODY — FRONT VIEW



CAMERA BODY — SIDE VIEW

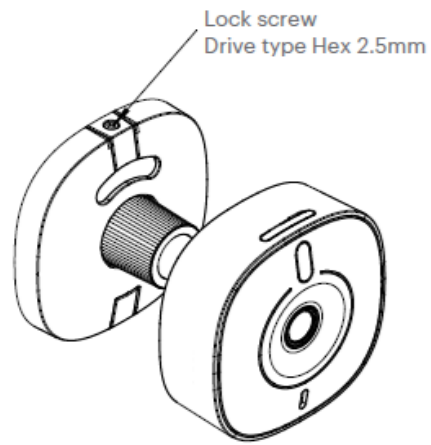


CAMERA BODY — REAR VIEW

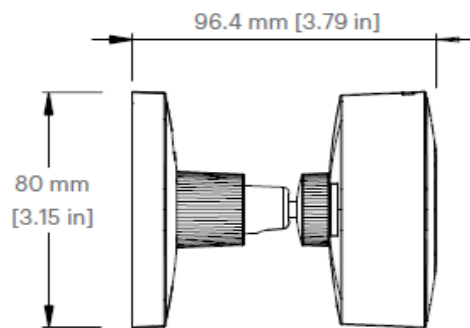


CAMERA AND BALL MOUNT — FRONT VIEW

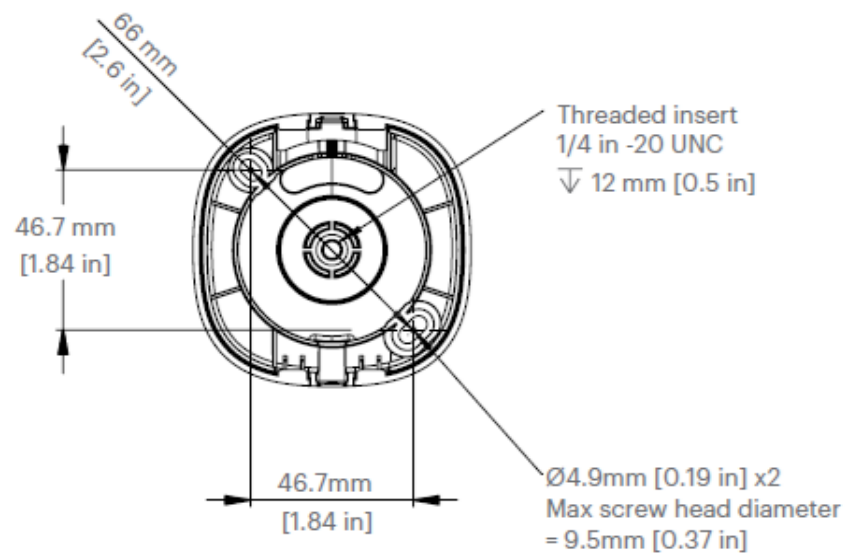




CAMERA AND BALL MOUNT – SIDE VIEW



CAMERA AND BALL MOUNT – REAR VIEW



Ordering information

PID	MP	ILLUMINATION	COLOR	STORAGE (DAYS)
FLEX-2MP-7	2.0	White light	White	7 ¹

¹ 30 days cloud storage



Support

For product support, visit avigilon.com/support.

To learn more, visit: avigilon.com/security-cameras/ava-flex. For customer documentation, visit docs.avigilon.com/bundle/alta-video/page/Products/Cameras.htm.

Rev 3



AVIGILON

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