FLIR ARIEL™ CM-3202

Full-HD Mini Dome

The Ariel CM-3202 mini dome camera offers 1080p video and fast frame rates in high-motion, low light scenes. True wide dynamic range (WDR) on the CM-3202 captures sharp video in complex environments, such as critical infrastructure sites, commercial offices, and large campuses. With a strong H.265 built-in motion processing architecture, the Ariel CM-3202 mini dome delivers predictable, efficient streaming and storage, reducing utility costs and total cost of ownership (TCO).

CLEAR IMAGING IN HARSH CONDITIONS

High-resolution imaging designed to perform in challenging environments.

- Improved operating temperature up to 60°C (140°F) with -20°C (-4°F) cold start
- Superior sensitivity in extreme low light scenarios
- Shutter WDR improves image performance and streaming quality in various lighting conditions

RELIABLE STORAGE AND FRAME RATES

Dependable performance and simple integration with existing systems.

- 256 GB edge recording extension option for predictable storage and reduced TCO in low bandwidth installations
- H.265 reduces bit rate and storage requirements without compromising image quality
- Available audio and alarm inputs and outputs allow comprehensive system integration

SECURE AND USER-FRIENDLY

Hardware and software enhancements help keep your facility safe.

- Cybersecurity improvements enforce best practices, protect against multiple failed log in attempts, and offer hardware and software authentication and encryption
- New, simplified web interface allows quick access to advanced features
- Improved support for common web browsers

For more information visit:
www.flir.com/security

www.teledyneflir.com

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TELEDYNE FLIR

FLIR ARIEL CM-3202

Camera	ARIEL CM-3202
Image Sensor	1/2.8-in, CMOS
Sensor Resolution	1920 × 1080
Scanning Mode	Progressive
Sensitivity	0.02 (color)/0.01 (BW), 0 Lux with IR illuminator ON, measured at 30 IRE
Lens Type	Varifocal 2.7 mm-13.5 mm, 35°- 105° HFOV, F1.4, D/N, Motorized with auto-focus and auto-iris
Automatic Electronic Shutter (AES)	1/2 to 1/32,000 (auto)
Digital Slow Shutter (DSS)	1/7.5 to 1/25 or 1/30 with up to 4x sensitivity boost in color or night mode
White Balance	Auto / ATW / Manual / One Push
Automatic Gain Control (AGC)	Auto
Back Light Compensation	On / Off
Wide Dynamic Range (WDR)	On / Off (78 dB)
True Shutter Wide Dynamic Range (sWDR)	On / Off (105 dB)
Noise Reduction	2D/3D
Tamper Detection	Yes
Privacy Zones	Yes
Video Motion Detection	Yes
Day / Night Mode	Yes
Mechanical IR Cut Filter	Yes
Signal to Noise Ratio (SNR)	±50 dB
ONVIF Support	Profiles S, G & T
Video	
Compression	Fully compliant multi-stream H.265 + H.264 base/main/high profile + MJPEG
Maximum Performance	H.265 / H.264 30/25 @ 1080p + 720p + D1 (NTSC/PAL)
Resolution Range	Scalable from D1 to FHD 1080p
Bandwidth	Configurable between 64 Kbps and 20 Mbps
Rate Control	CBR & CVBR
SD Card Recording[1]	microSDXC up to 256 GB (Class 10)
IR Illuminator	
Distance	up to 30 m (98 ft)
Angle of Illumination	Full 120°
LED Type	High efficiency SMD
Peak Emission Wavelength (nm)	850 nm

Visit flir.com for the most up-to-date specifications.

Camera Ordering Information

Type	Series	Camera Resolution	Lens Options	Environmental	IR Illuminator
CM	32	02	1	1	I
Mini dome camera	32= Ariel Gen II+	02= 1080p FHD	1 = 2.7 mm-13.5 mm	1 = IP67 Vandal with Heater	I = 120° Illuminator

Network	
Network Protocols	DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4/6, NTP, RTSP/RTCP/RTP,QoS, SMTP, TCP, TLS/TTLS, UDP, UPnP, 802.1X,SNMP v1/2c/3,DDNS,PPPoE
Streams	3
Ethernet	10/100, auto sensing, half / full duplex (RJ45)
Remote Configuration	Via web browser or supported video management software
Firmware Upgrade	Flash memory for upgrade of camera firmware over the network
Supported Web Browser	Internet Explorer 11, Mozilla Firefox, Chrome, Safari, Microsoft Edge
Security	Password protection, password policy enforcement, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, digest authentication, CA & self-signed certificates, protect from failed log-in, service firewall
Audio	
Input	G.711 (a-law, u-law), AAC 48 KHz
Output	Supported
Alarm	
Input	Dry alarm contact Max 3.3 V (High)/0.6 V (LOW)
Output	30 V (Peak AC)/1A,NC/NO; PotoMOS Relay
Physical	
Enclosure	Indoor/Outdoor: IK10 rated vandal IP67
Dimensions	124 mm × 113 mm (4.88 in × 4.44 in)
Unit Weight	683 g (1.5 lb) - without package 1116 g (2.46 lb) - with package
Pan / Tilt / Rotate	360° / 70° / 360°
Electrical	
Input Voltage	DC 12 V, PoE 48 VDC, IEEE 802.3af Class 3
Power Consumption	DC 12 V: 7.6 W, POE 48 VDC: 7.5 W
Power Connector	DC 12 V, PoE
Environmental	
Operating Temperature[2]	-30°C to 60°C (-22°F to 140°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	90% (non-condensing)
Warranty & Regulatory	
Warranty	4 Year Warranty - According to FLIR RMA Policy and Process Notice document
USA	FCC Part 15 (subpart B, class A)
International	CE marked, EN55032+EN50130-4, Class A, RoHS, RCM, LVD (62368), EN 62368-1, BIS, WEEE

[1] Excluding countries where disallowed.
[2] Startup temperature -20°C/-4°F.

Specifications are subject to change without notice.
For the most up-to-date specs, go to www.teledyneflir.com

A complete list of mounts, brackets, pole mounts and recess kits for cameras can be found in the FLIR Price List and Camera Accessory Guide.

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