◆FLIR®

CLEAR IMAGING IN HARSH CONDITIONS

High-resolution imaging designed to perform in challenging environments.

- Improved operating temperature up to 60°C with -20°C 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.

- Cyber security 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

SPECIFICATIONS

Camera	ARIEL CM-3202
Image Sensor	1/2.8", CMOS
Sensor Resolution	1920x1080
Scanning Mode	Progressive
Sensitivity	0.02 (color)/0.01 (BW), 0 Lux with IR illuminator ON, measured at 30 IRE
Lens Type	Varifocal 2.7-13.5mm, 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 (78dB)
True Shutter Wide Dynamic Range (sWDR)	On / Off (105dB)
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 profle + MJPEG
Maximum Performance	H.265 / H.264 30/25 @ 1080p + 720p + D1 (NTSC/PAL)
Resolution Range	Scalable from D1 to FHD 1080p
Bandwidth	Confgurable between 64Kbps and 10Mbps
Rate Control	CBR & CVBR
SD Card Recording[1]	microSDXC up to 256GB (Class 10)

IR Illuminator	
Distance	up to 30m (98 ft.)
Angle of Illumination	Full 120°
LED Type	High effciency SMD
Peak Emission Wavelength (nm)	850 nm

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 Confguration	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	User account with password policy, block multiple failed logins, IEEE 802.1X HTTPS, digest authentication, IP filtering

Audio	
Input	G.711 (a-law , u-law), AAC 48KHz
Output	Supported

Alarm	
Input	Dry alarm contact Max 3.3V (High)/0.6V(LOW)
Output	30V (Peak AC)/1A,NC/NO; PotoMOS Relay

Physical	
Enclosure	Indoor/Outdoor: IK10 rated vandal IP67
Dimensions	Ø124x113mm (4.88 x 4.44 in.)
Unit Weight	683g (1.5 lbs.) - without package 1116g(2.46 lbs.) - with package
Pan / Tilt / Rotate	360° / 70° / 360°

Electrical	
Input Voltage	DC12V, PoE 48VDC, IEEE 802.3af Class 3
Power Consumption	DC12V:7.6W, POE 48VDC :7.5W
Power Connector	DC12V, 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)

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 = 2.7-13.5mm	1 = IP67 Vandal with Heater	I = 120° Illuminator

[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.flir.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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