

# ONCAM C-08 INDOOR

VERINT.

## ONCAM C-SERIES KEY FEATURES

### HIGH SPEED FRAME RATES

Capture every movement in sharp detail with **60 fps** at full **4.7MP** resolution or maintain your chosen frame rate up to **30 fps** on primary stream with 3 other streams running. Alternatively experience best in class performance of **30 fps** with **TrueDetail HDR**.

### STREAMLITE COMPRESSION TECHNOLOGY

Lower video bandwidth and storage by an **average of 50% or more** on both H.264 and H.265, and over 90% when there is no motion and Dynamic FPS is enabled. Integrated VMS / NVR partners have access to **StreamLite+**, and can achieve an additional **20%** thanks to **ColorMap Compression<sup>5</sup>**.

### TRUEDETAIL HDR TECHNOLOGY

Reveal the **hidden details** in both dark and bright areas of the same scene. Correctly expose every detail with dual concurrent exposures.

### ADVANCED LIGHT MANAGEMENT TECHNOLOGY

Dynamically manage the available light to optimize image quality to **produce clearer, full-color, lower noise videos**. Maintain the sharpness of moving or static objects even in challenging low and mixed light conditions.

### MULTI-MODE

Simultaneously stream up to four different views from a choice of five (inc. dewarped views)<sup>6</sup>



VRT-08-CID

### COMPACT SURVEILLANCE

- Powerful, compact camera with a diameter of only 92mm, built upon Oncam's expertise in 360-degree IP video technology
- Multi-core CPU, high sensitivity 8MP sensor, and Oncam's latest cutting-edge technologies for detailed crisp images
- Edge dewarping for additional streaming flexibility (Fisheye only, Panoramic+ only or Multi-Mode<sup>6</sup>)
- Clean, modular low-profile design for quick, simple and intuitive installation
- Support for both terminated RJ45 and unterminated cabling, with punch down connectivity option
- Variety of mounting options, including Recessed, Pendant and Panoramic+ Tilt Mount
- Market leading 3D dewarping software supported by major VMS / NVR partners
- 5-year warranty

# Technical Specifications

## General

Field of view	180° Horizontal, 180° Vertical
Image sensor	8MP (approx.) CMOS sensor
Lens	180°, 1.6mm, F 2.0, all-glass, fixed focus, fixed Iris, fisheye
Day/Night IR cut filter	Automatic, manual
Minimum illumination	Color: 0.1 lux at 50 IRE F/2.0 Mono: 0.1 lux at 50 IRE F/2.0
Video motion detection	16 configurable polygonal regions
Advanced event management	Configurable Triggers: Motion regions, Network message, Link down  Configurable Actions: SMTP (snapshot), Local recording

Networking	IPv4, TCP/IP, UDP, HTTP, DHCP, DNS, NTP, SMTP, RTP, RTSP, RTCP, WEB RTC, HTTPS, WS-Discovery, TLS, ARP and SNMP v2c or V3
Privacy	5 configurable privacy regions/masks

SD card	Built in MicroSD card slot, up to 512GB (FAT32), minimum class 10
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White balance range	Auto White Balance (Range = approx. 2,500 K ~ 8,000 K)
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Security	Password protection WS-Username token RTSP authentication HTTP Digest authentication Authorization levels Brute force protection IP address filtering User access log Encrypted TLS 1.2 HTTPS encryption IEEE 802.1x Authentication, EAP-MD5, EAP-TLS, EAP-PEAP
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Video	
Frame rate	max 60 fps at full resolution <sup>1</sup> or 30 fps with TrueDetail HDR
Video compression	H.264, H.265, MJPEG and VP8 (WEB RTC)
Smart compression	StreamLite H.264 and H.265 StreamLite+ H.264 and H.265 (with ColorMap compression <sup>5</sup> )

<b>Fisheye stream 1</b> (Primary - 360° Fisheye Stream H.264/H.265)	Up to 60 fps <sup>1</sup> : 2160 x 2160 (4.7 MP, max resolution) 30 fps when multi-streaming <sup>2</sup>
	1920 x 1920 (3.7 MP) 1440 x 1440 (2.1 MP) 992 x 992 (0.98 MP) 512 x 512 (0.26 MP) <sup>3</sup>
<b>Fisheye stream 2<sup>4</sup></b> (Secondary - 360° Fisheye Stream H.264/H.265)	Up to 15 fps: 2160 x 2160 (4.7 MP, max resolution) 1920 x 1920 (3.7 MP) 1440 x 1440 (2.1 MP) 992 x 992 (0.98 MP) 512 x 512 (0.26 MP) <sup>3</sup>
<b>Fisheye stream 3</b> (Tertiary - 360° Fisheye Stream H.264/H.265)	Up to 30 fps: 1440 x 1440 (2.1 MP, max resolution) 992 x 992 (0.98 MP) 512 x 512 (0.26 MP) <sup>3</sup>
<b>Fisheye stream 4</b> (Low resolution - 360° Fisheye Stream H.264/H.265/ MJPEG)	Up to 10 fps: 512 x 512 (0.26 MP max resolution) <sup>3</sup>
<b>Camera modes<sup>6</sup></b>	Fisheye only, Panoramic+ only, Multi-Mode
<b>Multi-stream capacity</b>	4 multiple streams can run concurrently. Primary stream maintains a frame rate of 30 fps <sup>2</sup>
<b>Dewarped views<sup>6</sup></b>	Panoramic+ (180° view): 2160 x 864 to 800 x 320 Corridor+ (ceiling split corridor view): 1728 x 1080 to 640 x 400 T Corridor+ (three-way split corridor view): 2592 x 1080 to 768 x 320 VCam (up to 4): 1280 x 720 to 576 x 432
<b>Image settings</b>	Brightness, contrast, saturation, sharpness, exposure compensation, exposure priority, imaging preference, text overlay, 180° rotate, multiple color spaces
<b>Image enhancement</b>	TrueDetail HDR up to 30 fps. TrueDetail HDR maximum dynamic range 120dB, Wide Dynamic Range image adjustment
<b>PTZ functionality</b>	10x zoom with Oncam 3D client-side dewarping software
<b>VMS/NVR support</b>	ONVIF Profile S, G and T conformant. Contact Oncam for the up-to-date VMS compatibility list
<b>Web browser compatibility</b>	Supported minimum browsers versions: Chrome 95, Firefox 94, Edge 95 and Safari 14.0.3

<sup>1</sup> High Speed Mode<sup>6</sup>, single stream only, set to 60 fps, exposure priority set to frame rate, 60Hz. Max achievable fps is dependant on VMS support

<sup>2</sup> Maintain 30 fps +/-5%, 60 Hz, 30 fps in TrueDetail HDR Mode

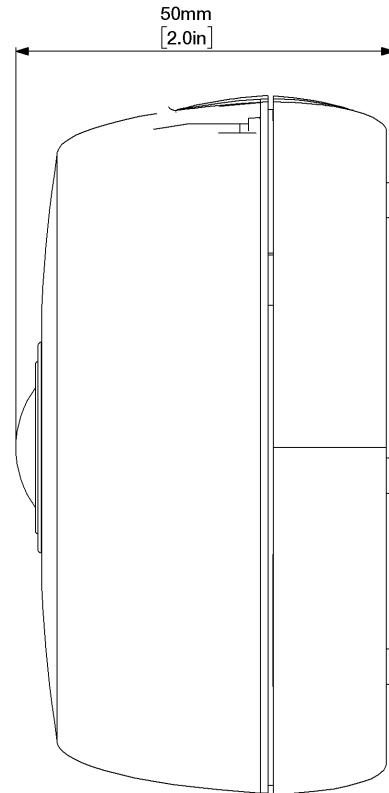
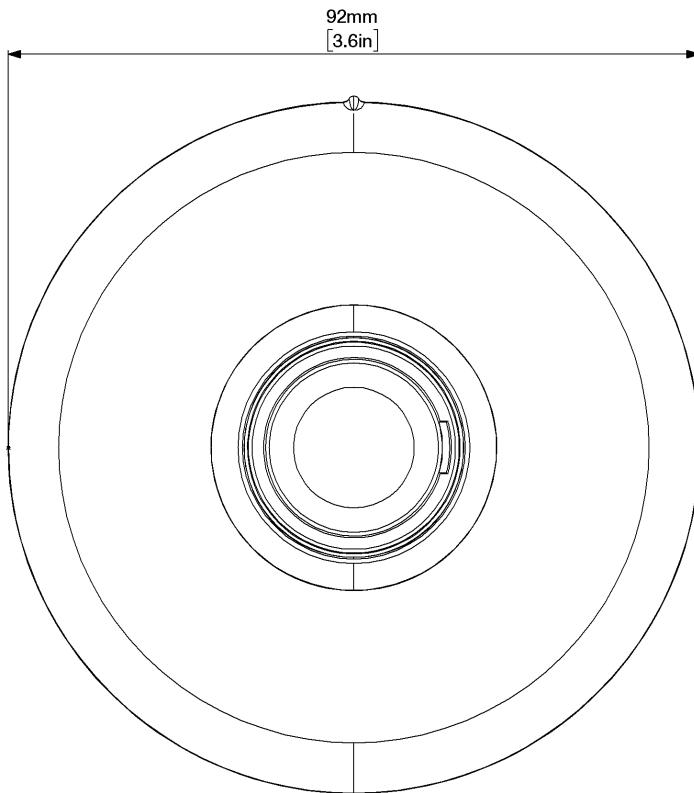
<sup>3</sup> MJPEG at 10 fps, <5,000 kbps supported

<sup>4</sup> Resolution and video source view shared with Primary Stream in TrueDetail HDR Mode

<sup>5</sup> Dependent on VMS support

<sup>6</sup> Firmware version 2.0.x and above required

Unicast	Up to 20 simultaneous users depending on the resolution settings	Environmental
Multicast	Supported for all streams (Audio, Video and Metadata <sup>6</sup> )	Operating temperature range 0 to +50° C (32 to +122° F)
Bit rate control	Fixed Quality (Capped Bitrate) or Constant Bit Rate	Ingress protection IP40
<b>Certifications</b>		
Ports	RJ45 for 100/1000BASE-Tx	Approvals IEEE802.3af
Power input	Power over Ethernet (PoE), IEEE standard 802.3af	CE, UKCA
Power consumption (maximum)	< 12.95W (IEEE 802.3af, PoE 48VDC)	AS/NZS CISPR 32: 2015 AMD 1: 2020
<b>Mechanical</b>		
Camera mount	Surface, Pendant, Recessed and Panoramic+ Tilt	EN 55032:2015/A11:2020, Class B
Weight	0.308kg (0.68 lbs)	EN 55035: 2017/A11: 2020
Dimensions (D x W x H)	92 x 92 x 51 mm (3.6 x 3.6 x 2.0 in.)	EN 61000-6-3:2007+A1: 2011/AC:2012, EN50130-4: 2011+A1:2014
<b>Dimensions</b>		



## Optional Accessories

### Indoor Recessed Mount



### Indoor Pendant Mount



<b>SKU Number</b>	CA-IRM1-O
<b>Cut out</b>	100mm (4 in.)
<b>Cable entry</b>	Rear
<b>Retention</b>	Spring clips
<b>Construction</b>	Rear: ADC12 Aluminum Front: Polymer
<b>Plenum rated</b>	UL2043
<b>Form factor</b>	Low profile
<b>Installation</b>	Ceiling
<b>Weight</b>	0.186kg (0.41 lb)
<b>Depth</b>	65 mm (2.55")
<b>Dimensions</b>	Ø121 mm (4.76")

<b>SKU Number</b>	CA-IPM1-O
<b>Thread</b>	M20 & 3/4" NPT Female
<b>Construction</b>	ADC12 Aluminum
<b>Form factor</b>	Low profile
<b>Weight</b>	0.080 kg (0.18 lb)
<b>Height</b>	90 mm (3.54")
<b>Dimensions</b>	Ø84 mm (3.31")

### Panoramic+ Tilt Mount<sup>6</sup>



<b>SKU Number</b>	CA-ITM1-O
<b>Angle</b>	20° to 45°
<b>Cable entry</b>	Rear
<b>Construction</b>	Polymer
<b>Installation</b>	Wall
<b>Weight</b>	0.03 kg (0.07 lb)
<b>Depth</b>	44 mm (1.7")
<b>Dimensions</b>	Ø87 mm (3.25")