

ONCAM C-12 Indoor



38500



ONCAM C-12 Series Key Features

Industry Leading Frame Rates

Capture every movement in sharp detail with market leading 55 fps at full 9MP resolution or maintain 30 fps on primary stream with up to 3 other streams running.

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.

Truedetail HDR Technology

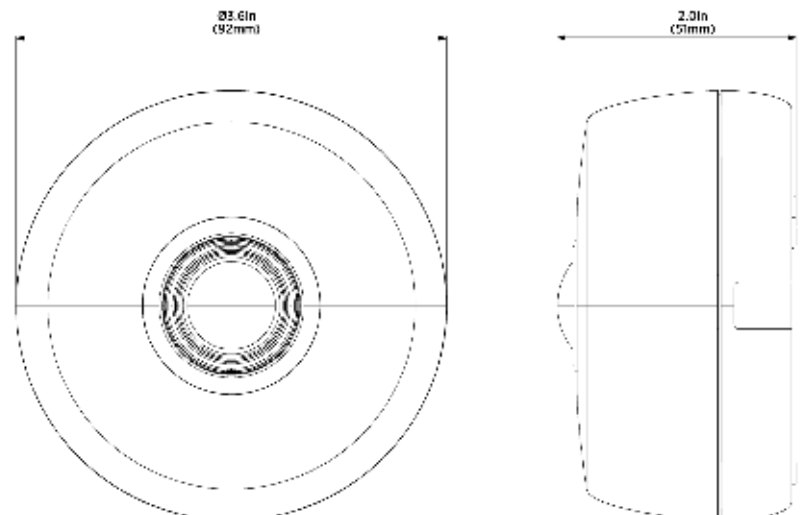
Reveal the lost details in both dark and bright areas of the same scene. Correctly expose every detail with dual concurrent exposures.

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 static or moving objects even in challenging low and mixed light conditions.

Compact Surveillance

- ▼ Powerful, compact camera with a diameter of only 3.6 inches (92 mm), built upon Oncam's expertise in 360-degree IP video technology
- ▼ Multi-core CPU, high sensitivity 12MP sensor, and Oncam's latest cutting-edge technologies for detailed crisp images
- ▼ Clean, modular low profile design for quick, simple and intuitive installation
- ▼ Support for both terminated and unterminated RJ45 cabling, with punch down connectivity option
- ▼ Variety of mounting options
- ▼ 3D dewarping in March Networks® Command™ Client
- ▼ 3-year warranty



ONCAM C-12 Indoor Technical Specifications

GENERAL

Field of view	180° Horizontal, 180° Vertical
Image sensor	12.4MP (approx.) CMOS sensor
Lens	180°, all-glass, fixed focus fisheye
Day/Night IR cut filter	Automatic, manual
Minimum illumination	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 and ARP
Privacy	5 configurable privacy regions/masks
SD card	Built in MicroSD card slot, up to 512GB (FAT32), minimum class 10
White balance range	Auto White Balance (Range = approx. 2,500 K - 8,000 K)
Security	Password protection WS-Username token RTSP authentication HTTP Digest authentication Authorization levels Brute force protection IP address filtering User access log Encrypted TLS HTTPS encryption

VIDEO

Frame rate	max 55 fps at full resolution ¹
Video compression	H.264, H.265, MJPEG and VP8 (WEB RTC)
Smart compression	StreamLite H.264 and H.265 Dynamic FPS
Fisheye stream 1 (Primary - 360° Fisheye Stream H.264/H.265)	55 fps ¹ : 2992 x 2992 (9.0 MP, max resolution) 30 fps when multi-streaming ² Up to 60 fps ¹ : 2800 x 2800 (7.8 MP) 2304 x 2304 (5.3 MP) 1920 x 1920 (3.7 MP) 1440 x 1440 (2.1 MP) 992 x 992 (0.98 MP) 512 x 512 (0.26 MP) ³
Fisheye stream 2⁴ (Secondary - 360° Fisheye Stream H.264/H.265)	Up to 15 fps: 2992 x 2992 (9.0 MP, max resolution) 2800 x 2800 (7.8 MP) 2304 x 2304 (5.3 MP) 1920 x 1920 (3.7 MP) 1440 x 1440 (2.1 MP) 992 x 992 (0.98 MP) 512 x 512 (0.26 MP) ³

Fisheye stream 3 (Tertiary - 360° Fisheye Stream H.264/H.265)	Up to 30 fps: 1920 x 1920 (3.7 MP, max resolution) 1440 x 1440 (2.1 MP) 992 x 992 (0.98 MP) 512 x 512 (0.26 MP) ³
Fisheye stream 4 (Low resolution - 360° Fisheye Stream H.264/H.265/JPEG)	Up to 10 fps: 512 x 512 (0.26 MP max resolution) ³
Multi-stream capacity	4 multiple streams can run concurrently, with reduced frame rates. Fisheye stream 1 maintains a frame rate of 30 fps ²
Image settings	Brightness, contrast, saturation, sharpness, exposure compensation, exposure priority, imaging preference, text overlay, 180° rotate, multiple color spaces
Image enhancement	TrueDetail HDR up to 29 fps with Electronic dynamic WDR 120dB
Virtual PTZ	10x zoom with dewarping in Command Client
Web browser compatibility	Supported minimum browsers versions: Chrome 84, Firefox 79, Edge 84 and Safari 13.1
Multicast	Supported for all streams
Bit rate control	Fixed Quality (Capped Bitrate) or Constant Bit Rate

¹ Single stream only, exposure priority set to frame rate, 60Hz

² Maintain 30 fps ±5%. 29 fps in TrueDetail HDR Mode, 60Hz

³ JPEG at 10 fps, <5,000 kbps supported

⁴ Resolution shared with Fisheye stream 1 in TrueDetail HDR Mode

ELECTRICAL

Ports	RJ45 for 100/1000BASE-Tx
Power input	Power over Ethernet (PoE), IEEE standard 802.3af
Power consumption (maximum)	< 12.95W (IEEE 802.3af, PoE 48VDC)

MECHANICAL

Camera mount	Surface, Pendant and Recessed
Weight	0.68 lbs (0.308kg)
Dimensions (D x W x H)	3.6 x 3.6 x 2.0 in. (92 x 92 x 51 mm)

ENVIRONMENTAL

Operating temperature range	32 to 122° F (0 to 50° C)
Ingress protection	IP40

CERTIFICATIONS

Approvals	IEEE802.3af CE AS/NZS CISPR 32:2015 EN 55032: 2015+AC:2016, Class B EN 55035:2017 FCC ICES-003 Issue 6-2016, Class B UL/cUL 62368-1 RoHS REACH IP40 BIS ISI3252(Part1), IEC 60950-1
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ACCESSORIES

Indoor Recessed Mount



Part Number	38502
Cut out	4 in. (100mm)
Cable entry	Rear
Retention	Spring clips
Construction	Rear: ADC12 Aluminum Front: Polymer
Plenum rated	UL2043
Form factor	Low profile
Installation	Ceiling
Weight	0.41 lb (0.186kg)
Depth	2.55" (65mm)
Dimensions	Ø4.76" (121mm)

ACCESSORIES

Indoor Pendant Mount



Part Number	38503
Thread	M20 & 3/4" NPT, Female
Construction	ADC12 Aluminum
Form factor	Low profile
Weight	0.18 lb (0.080kg)
Height	3.54" (90mm)
Dimensions	Ø3.31" (84mm)



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