

### Thermal Camera - Clear Detail 24 Hours/Day

SightLogix® Clear24 is an outdoor thermal video camera providing outstanding images in zero light and widely dynamic lighting situations, night and day, in all environments. Clear24 Thermal leverages powerful on-board video processing for crisp, clear image detail, in all weather and geographies. Clear24 consists of a thermal imager, complete with lens optics, onboard video processing, and image contrast enhancement technology within a ruggedized, NEMA 4X nitrogen-purged housing.



Feature	Benefit
Digital Signal Processing (DSP) with Contrast Image Enhancement	See crisp, clear image detail: 24 hours/day, all seasons
Long Wavelength Infrared (LWIR) Uncooled Microbolometer	See what would be missed in zero light or difficult lighting environments, such as unlit areas near roads, poor weather and over water in bright sunlight
Multiple Field of View options (48°, 36°, 24°, 18°, 13°, 9.1°, 7°, 4.6°)	Supports various distance needs
10/100 Ethernet with support for satellite, cellular, and full broadband communications	Flexible and secure communications
Seamless integration with third-party VMS, PSIM and C2 Systems	Open-system design supports leading systems
Dry-nitrogen pressurized enclosure (NEMA-4X); rugged, multi-contact sealed Mil-C electrical connector	Built to withstand outdoor elements (rain, snow, humidity, sand, temperature extremes) for extended life



### Ordering Information

Part Number	Imager Range *	FOV	Interface	Power
C348	205 m (670 ft)	48°	Ethernet	24V AC/DC
C336	310 m (1015 ft)	36°		
C324	450 m (1475 ft)	24°		
C318	590 m (1935 ft)	18°		
C313	800 m (2625 ft)	13°		
C309	1125 m (3690 ft)	9.1°		
C307	1222 m (4010 ft)	7°		
C304	2075 m (6800 ft)	4.6°		
Add -300 to indicate PoE+ (ex: C348-300)			Ethernet	Power Over Ethernet Plus (PoE+) Mode A

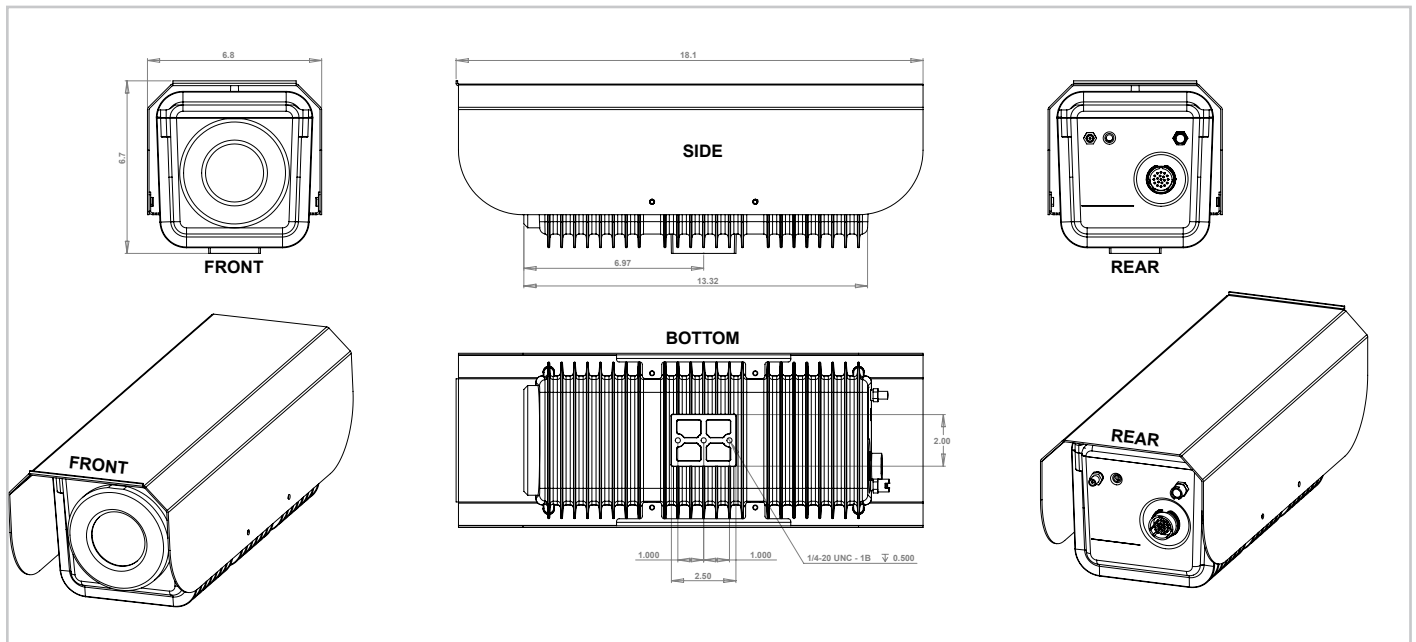
\*Detection of man-sized object 1.8 m x 0.5 m

**Accessories**

- **Heavy-duty Mounts and Cables.** Refer to the *SightLogix Accessories Datasheet*.

# Specifications

Imager		Network	
Detector	Un-cooled VOx Microbolometer	Ethernet Wired	10/100 RJ45, IEEE 802.3, 802.3i, 802.3u
Spectral Response:	8-14 micron	Data Rate	64 kbps to 8 Mbps
Picture Elements	320 (H) x 240 (V) Lens (fixed)	Operating Mode	Full-duplex
Lens/Field of Views	Fixed focus 48°, 36°, 24°, 18°, 13°, 9.1°, 7°, 4.6° available	Protocols	Supports all leading network protocols including streaming protocols
Dynamic Range	14 bit digital sensor interface	Video Output	
Thermal Sensitivity	<75mK, < 50 mK f/1.0	Compression Type:	MPEG-4 (Simple Profile, Advanced Simple Profile) MJPEG
Electrical		Bit Rate Profile	Constant (CBR) or variable bit rate (VBR)
Voltage:	24 VAC/DC +/- 10% or PoE+ Mode A	Resolution	320x240
Connector	26 pin Mil-C (power & data)	Frame Rate	Up to 30 frames per second; user configurable
Power:	15 watts nominal		



Camera Enclosure		Environmental	
Weight:	5.7 kg (12.5 lbs.)	Operating Temperature	-30° to +60°C (-22° to +140°F) - Optional extended temp range available -40° to +70°C (-40° to +158°F) Note: C304-XXX: -20° to +60°C (-4° to +140°F)
Dimensions:	46 cm L x 17.3 cm W x 16.8 cm H (18.1 L" x 6.8 W" x 6.6 H")	Storage Temperature	-30° to +70°C (-22° to 158°F)
Enclosure:	NEMA 4X (IP66 compliant)	Relative Humidity:	0 to 100%
Nitrogen purge pressure	6 psi	Emissions:	FCC Part 15, Class A CE
Mounting:	3 x 1/4-20 UNC bolts		

Specifications are subject to change without notice.  
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