

SR-Series

Fixed Analog Thermal Cameras

The next level of security.



SR-Series imagers are fixed-site thermal security cameras in ruggedized, all-weather enclosures that are compatible with a wide variety of third-party accessories, making them easy to integrate.

SR-Series cameras define the new standard of performance with five models with full 640 x 480 thermal resolution that give you greater image detail, more extensive coverage, and better analytics performance than ever before.

Designed for high performance, easy installation, and long-term reliability, SR-Series cameras with WDR Thermal give you the image detail needed for optimal threat detection capability and peak analytics performance - even in challenging imaging environments like when the camera is facing the rising or setting sun.

Because FLIR understands that you need cameras for the real world, SR-Series cameras are qualified beyond industry standard for survivability, and are backed by FLIR's unparalleled 3-year system warranty and 10-year detector warranty.

Highlights of SR-Series Thermal Security Cameras

- High-quality 24/7 thermal video security coverage
- Sun-safe VOx uncooled thermal sensor technology; looking directly at the sun won't damage FLIR uncooled thermal security cameras
- Thermal lenses with focal lengths from 9 mm to 100 mm, and angular FOVs from 48° to 4.6°
- All 640 x 480 resolution products are based on FLIR's 17-micron pixel pitch arrays, the most advanced uncooled detectors available on the commercial market
- Serial control and analog composite video output enable ready integration into legacy network designs
- A complete selection of reduced-resolution 320 x 240 and 160 x 120 format cameras are also available



Specifications

Camera Model	SR-Series		
Camera Platform Type	Fixed	Fixed	Fixed
Thermal Camera Specs			
Array Format (NTSC)	160 x 120	320 x 240	640 x 480
Detector Type	Long-Life, Uncooled VOx Microbolometer	Long-Life, Uncooled VOx Microbolometer	Long-Life, Uncooled VOx Microbolometer
Effective Resolution	19,200	76,800	76,800
Pixel Pitch	25 µm	25 µm	17 µm
Field Of View	24° x 20° (SR-124; 9 mm) 17° x 14° (SR-117; 13 mm) 12° x 10° (SR-112; 19 mm)	48° x 39° (SR-348; 9 mm) 34° x 28° (SR-334; 13 mm) 24° x 19° (SR-324; 19 mm) 13° x 10° (SR-313; 35 mm) 9° x 7° (SR-309; 50 mm) 4.6° x 3.7° (SR-304; 100 mm)	45° x 37° (SR-645; 13 mm) 25° x 20° (SR-625; 25 mm) 18° x 14° (SR-618; 35 mm) 12° x 10° (SR-612; 50 mm) 6.2° x 5° (SR-606; 100 mm)
Zoom	2x E-zoom	2x & 4x E-zoom	2x & 4x E-zoom
Spectral Range	7.5 to 13.5 µm	7.5 to 13.5 µm	7.5 to 13.5 µm
Focus Range	athermalized, focus-free	athermalized, focus-free	athermalized, focus-free
Outputs			
Composite Video NTSC or PAL	Standard	Standard	Standard
Control			
Point to point (stand alone)	Standard	Standard	Standard
Serial	RS-422/232	RS-422/232	RS-422/232
Software Developer's Kit	Optional	Optional	Optional
External Analytics Compatible	Yes	Yes	Yes
General			
Weight	4.6 lb (2.1 kg)	4.6 lb/2.1 kg (all but SR-309 & SR-304) 7.3 lb/3.3 kg (SR-309 & SR-304)	4.6 lb/2.1 kg (all but SR-612 & SR-606) 7.3 lb/3.3 kg (SR-612 & SR-606)
Dimensions (L,W,H)	10.5" x 5" x 5.7"	10.5" x 5" x 5.7" 14.25" x 5" x 5.7" (SR-304 & SR-309)	10.5" x 5" x 5.7" 14.25" x 5" x 5.7" (SR-612 & SR-606)
Input Voltage	14-32 VDC or 18-27 VAC	14-32 VDC or 18-27 VAC	14-32 VDC or 18-27 VAC
Power Consumption (Consult product manuals for details of power requirements)	24 VAC: Nominal: 5 VA Max: 21 VA 24 VDC: Nominal: 3 W Max: 10 W	24 VAC: Nominal: 5 VA Max: 21 VA (348,334,324), 11 VA (313), 30 VA (309), 48 VA (304) 24 VDC: Nominal: 3 W nominal Max: 10 W (348,334,324), 6 W (313), 11 W (309), 25 W (304)	24 VAC: Nominal: 5 VA Max: 21 VA (625, 645), 11 VA (618), 29 VA (612), 48 VA (606) 24 VDC: Nominal: 3 W Max: 10 W (625, 645), 6 W (618), 11 W (612), 25 W (606)



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