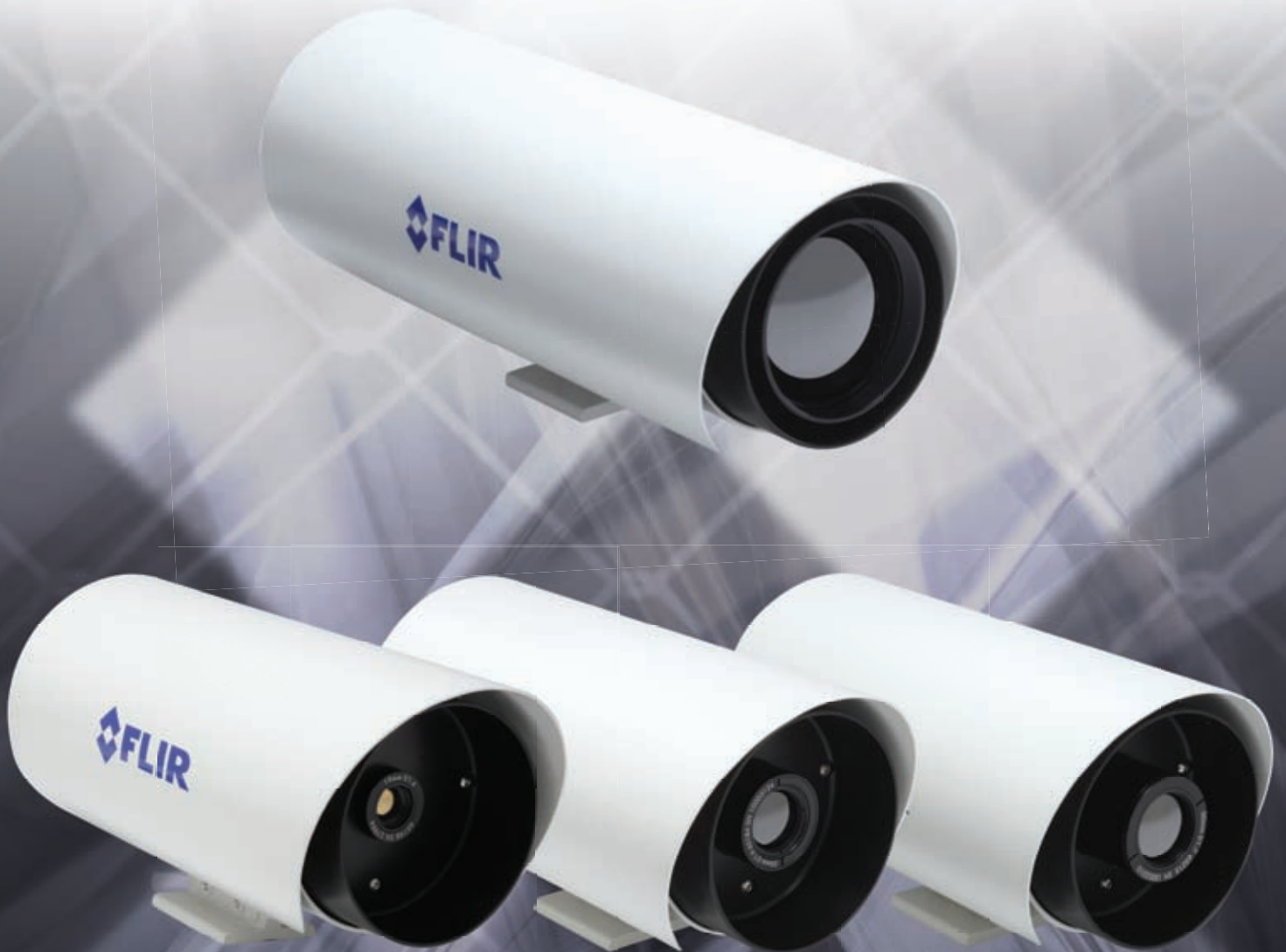


# SR-SERIES

**Thermal Security Cameras**



## SR-SERIES THERMAL SECURITY CAMERAS FROM FLIR SYSTEMS

The power of thermal cameras in all-weather enclosures

### The best thermal security cameras in the business

FLIR's powerful SR-Series thermal security cameras compliment and complete your security camera network. They turn night into day, allowing you to see intruders invisible to the naked eye.



- Creates video images from heat, night and day, in good weather and bad
- Available lenses: 19mm (36° FOV), 35mm (20° FOV), 50mm (14° FOV) & 100mm (7° FOV)
- Digital Detail Enhancement (DDE) for optimal image quality
- NTSC or PAL composite video-output is compatible with all third-party accessories
- External Video-Analytics compatible
- Pelco D, RS-232 & RS-422 capability on certain models
- Network ready – fully-compatible with third-party video encoders
- Optional Pan/Tilt has Pelco D interface control and is widely supported by other third-party control solutions

### Perfect for:

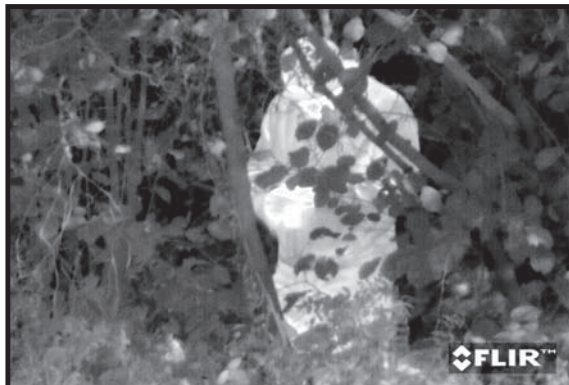
- Monitoring dimly lit or unlit entries and exits
- Indoor and outdoor parking lots and structures
- Warehouses, waterfronts, large open areas
- Residential properties and gated communities
- Anywhere you need to see at night

## WHY THERMAL?

Thermal security cameras let you see threats you never knew were there – day and night, in good weather and bad

### You won't believe what you haven't been seeing

Today's Security Professional must detect and counter the threats arrayed against their valuable assets and personnel – thermal security cameras are the most effective tool for that job. Providing maximum image contrast, thermal cameras are the technology of choice for military security forces, made affordable for today's civilian security community by FLIR.



### Thermal sees heat

Thermal security cameras make pictures from heat energy that is invisible to the naked eye. Everything in the color image below is giving off heat – even the ice cubes she is holding in her left hand, and the circle she traced on the wall with her right.



### See day and night

Thermal energy passes through many obscurants including smoke, dust, modest foliage and light fog. The thermal camera can see this person clearly through the fog, but the standard visible light camera cannot.



## SR-SERIES THERMAL SECURITY CAMERAS

Installation Ready – Easy to Use, Easy to Mount

### No special adjustment or fine-tuning required

FLIR's SR-Series thermal security cameras are ready to use right out of the box --- no focus or zoom adjustment needed. No one else makes cameras with such unsurpassed thermal image quality that are so easy to field.



### Power in, Video out

SR-Series thermal security cameras are almost as easy to install as a light bulb. Plug in the 14-32 VDC (or 24 VAC), and start watching the high-quality thermal video. The SR-Series cameras come in industry-standard environmental enclosures that use common 1/4-20 mounting hardware to simplify installation and work seamlessly with common third-party mounts and pedestals.



### The best core technology is the easiest to use



Just because something's high-tech, doesn't mean it has to be hard to use. Unlike visible-light and poorly designed thermal cameras whose lenses change focus when subjected to temperature changes, FLIR designed SR-Series thermal security cameras to maintain their sharp focus regardless of temperature changes.

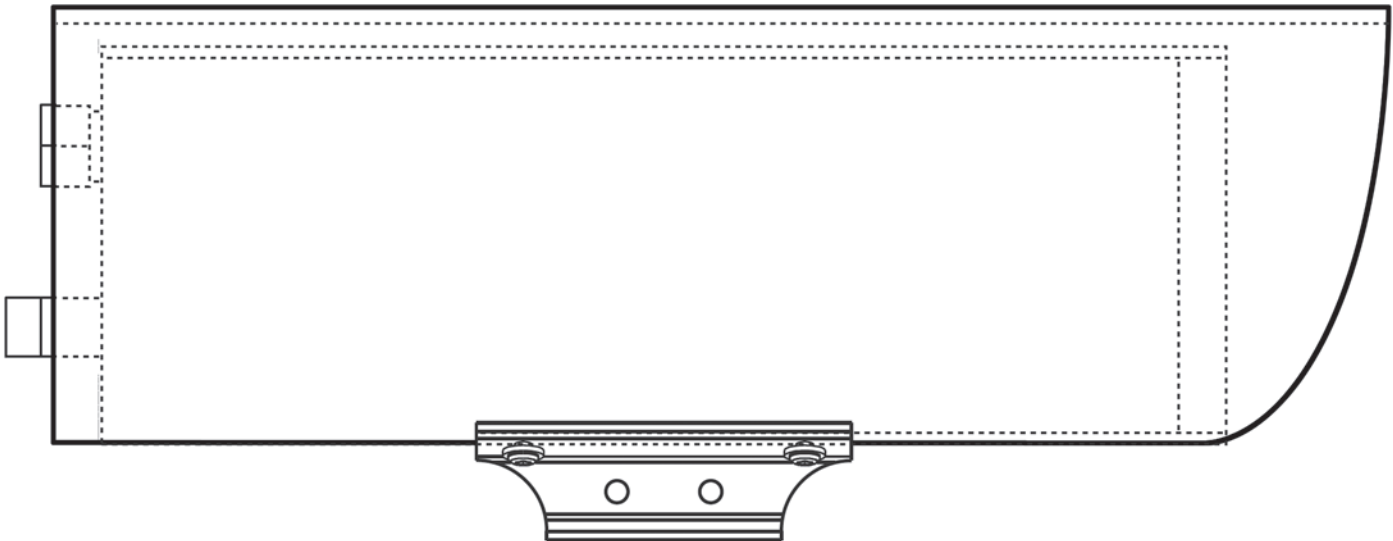


**SR-Series use industry-standard enclosures**

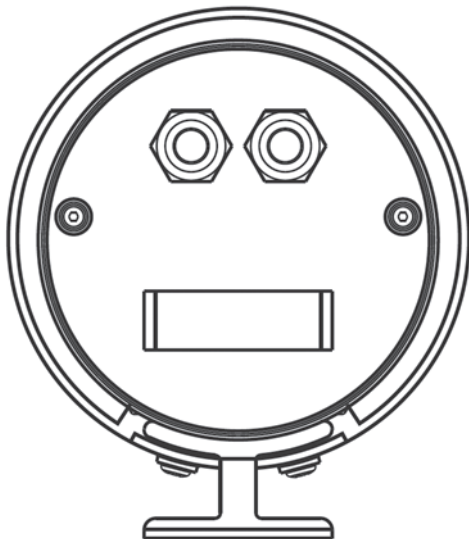
FLIR's SR-Series thermal security cameras come in industry-standard environmental enclosures, use common 1/4-20 mounting hardware, and are compatible with a wide variety of third-party mounts and pedestals (Bosch, Video Alarm and Pelco, to name a few), making installation a snap. An optional Pan/Tilt that operates with Pelco D control protocol is also available.

**SR-Series Camera Model**

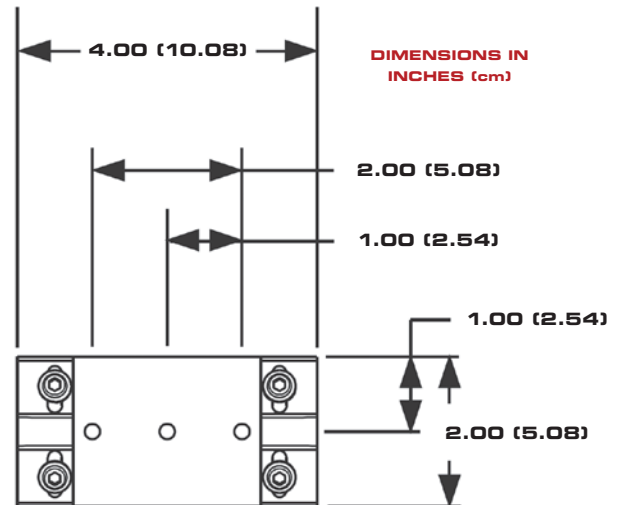
|   |                          | <b>Length</b> | <b>Height</b> |
|---|--------------------------|---------------|---------------|
|  | <b>SR-19 / -35 / -50</b> | 10.5" (26.7)  | 5.68 (14.4)   |
|  | <b>SR-100</b>            | 14.25" (36.8) | 5.68 (14.4)   |



**SIDE VIEW**



**REAR VIEW**



**MOUNTING SLED**

## SYSTEM OVERVIEW

### THERMAL CAMERA



SR-19



SR-35

#### Camera Performance

|                   |                                     |                                     |
|-------------------|-------------------------------------|-------------------------------------|
| Sensor Type       | 320x240 VOx Uncooled Microbolometer | 320x240 VOx Uncooled Microbolometer |
| Spectral Range    | 7.5-13.5 $\mu$                      | 7.5-13.5 $\mu$                      |
| Lens Focal Length | 19mm                                | 35mm                                |
| Field-of-View     | 36° x 27°                           | 20° x 15°                           |
| Electronic Zoom   | 2X                                  | 2X                                  |
| Image Processing  | AGC & DDE                           | AGC & DDE                           |
| Video Output      | NTSC & PAL                          | NTSC & PAL                          |

### SYSTEM SPECIFICATIONS

#### Power

|             |  |  |
|-------------|--|--|
| Requirement | 14-32 VDC or 18-27 VAC   | 14-32 VDC or 18-27 VAC   |
| Consumption | 3W nominal at 24 VDC<br>7W nominal at 24 VAC<br>30W peak AC/DC | 3W nominal at 24 VDC<br>7W nominal at 24 VAC<br>24W peak AC/DC |

#### Environmental

|                        |                                |                                |
|------------------------|--------------------------------|--------------------------------|
| Operating Temp.        | -26° to +131°F (-32° to +55°C) | -26° to +131°F (-32° to +55°C) |
| Storage Temp.          | -58° to +185°F (-50° to +85°C) | -58° to +185°F (-50° to +85°C) |
| Qualification Standard | MIL-Std 810F                   | MIL-Std 810F                   |

#### Physical

|        |  |  |
|--------|--|--|
| Weight | < 6 lb (2.7 kg)                              | < 6 lb (2.7 kg)                              |
| Size   | 10.5" x 5.0" x 5.68" [26.7 x 12.7 x 14.4 cm] | 10.5" x 5.0" x 5.68" [26.7 x 12.7 x 14.4 cm] |

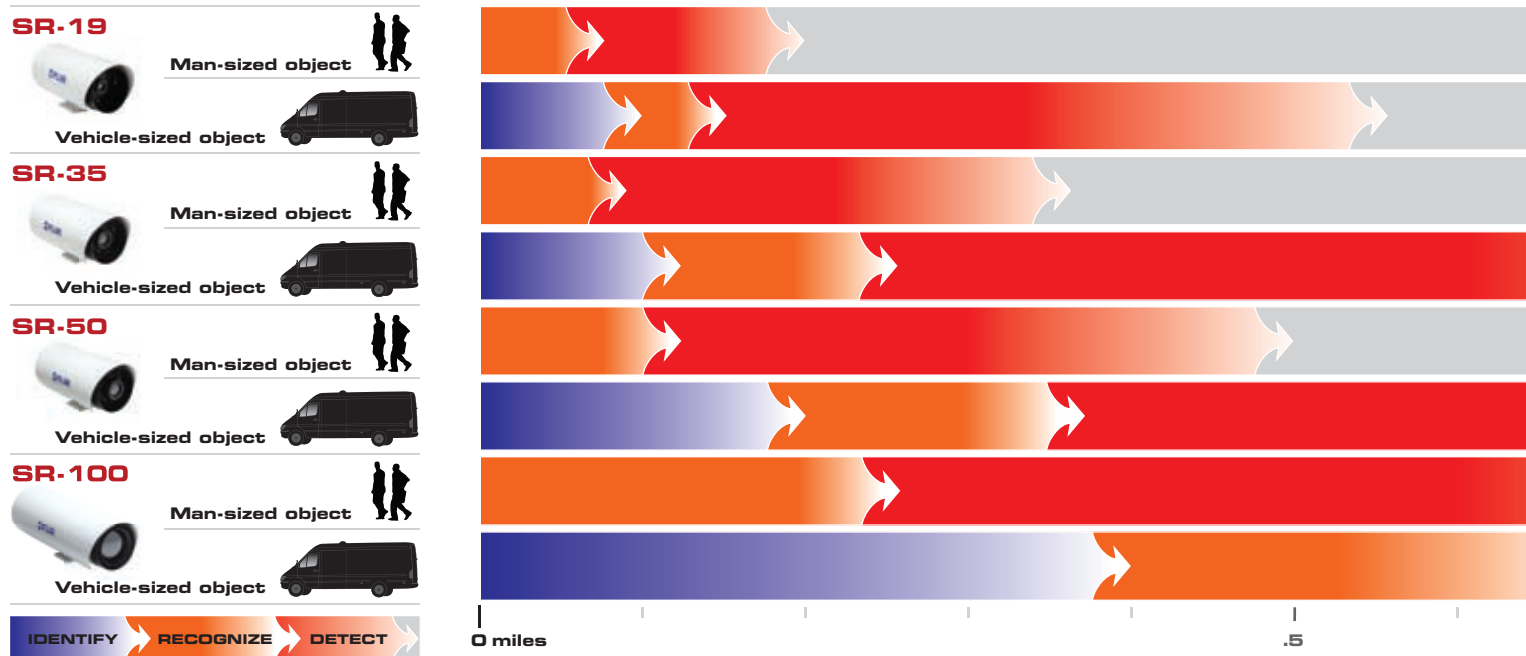
#### Standard Package

Thermal camera, Operator Manual.

#### Options

Pan/Tilt with Pelco D communication; optional hardshell carrying case available.

**Range Chart** This chart shows how far away the different SR-Series cameras can detect, recognize and identify human and vehicle targets.





**SR-50**



**SR-100**

320x240 VOx Uncooled Microbolometer

7.5-13.5μ

50mm

14° x 10°

2X

AGC & DDE

NTSC & PAL

320x240 VOx Uncooled Microbolometer

7.5-13.5μ

100mm

7° x 5°

2X

AGC & DDE

NTSC & PAL

14-32 VDC or 18-27 VAC

3W nominal at 24 VDC

7W nominal at 24 VAC

24W peak AC/DC

14-32 VDC or 18-27 VAC

36W peak at 24 VAC

-26° to +131°F (-32° to +55°C)

-26° to +131°F (-32° to +55°C)

-58° to +185°F (-50° to +85°C)

-58° to +185°F (-50° to +85°C)

MIL-Std 810F

MIL-Std 810F

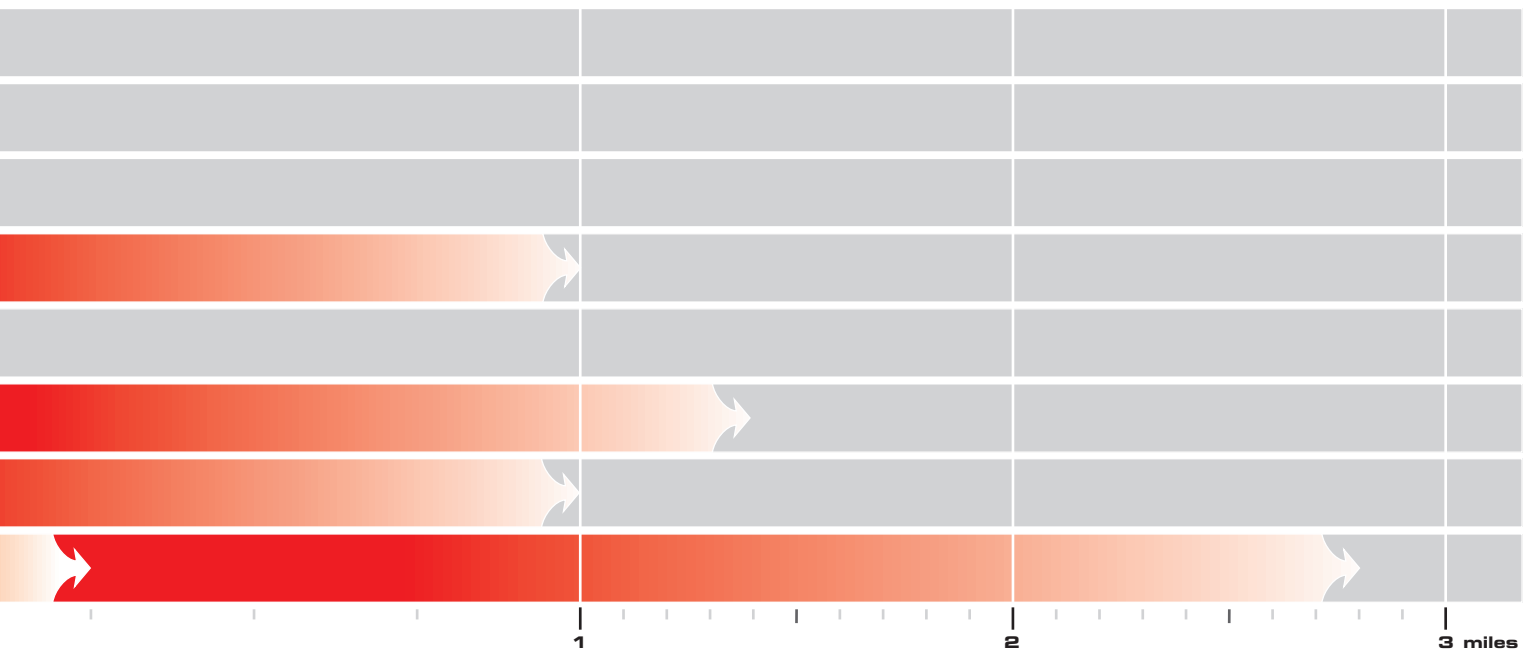
< 6 lb (2.7 kg)

< 8 lb (3.6 kg)

10.5" x 5.0" x 5.68" (26.7 x 12.7 x 14.4 cm)

14.25" x 5.0" x 5.68" (36.2 x 12.7 x 14.4 cm)

These are approximate ranges; your actual performance may vary, based on a variety of environmental factors.



**FLIR Systems, Inc.**

**CVS World Headquarters**

FLIR Systems, Inc.  
70 Castilian Dr.  
Goleta, CA 93117

USA

PH: + 1 877 773 3547

PH: + 1 805 964 9797

FX: + 1 805 685 2711

sales@flir.com

**EUROPE**

**CVS Eurasian Headquarters**

FLIR Systems CVS BV  
Charles Petitweg 21  
4847 NW Teteringen - Breda  
Netherlands

PH: +31 (0) 765 79 41 94

FX: +31 (0) 765 79 41 99

flir@flir.com

**FLIR Systems, Inc.**

**Corporate Headquarters**

FLIR Systems, Inc.  
27700 SW Parkway Ave.  
Wilsonville, OR 97070

USA

PH: + 1 877 773 3547

FX: + 1 503 498 3153

sales@flir.com

[www.flir.com](http://www.flir.com)