

## P/N: T300095

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### Website

<http://www.flir.com>

### Customer support

<http://support.flir.com>

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### General description

The 6° lens provides outstanding magnification of details at long distances. It is ideal for small or distant targets such as overhead power lines.

To use the lens together with cameras of the FLIR A400, FLIR A500, and FLIR A700 series, see more information in the datasheets of those products.

#### NOTE:

- When the 6° lens is mounted on the camera, it blocks and disables the visual camera and the LED torch on the front of the camera.

### Imaging and optical data

Field of view (FOV)	6° × 4.5° (7.5° diagonally)
Minimum focus distance	5.0 m (16.4 ft.)
Focal length	70 mm (2.8 in.)
Spatial resolution (IFOV)	Dependent on the IR resolution of the camera: <ul style="list-style-type: none"> <li>• 320 × 240 pixels: 0.34 mrad/pixel</li> <li>• 464 × 348 pixels: 0.24 mrad/pixel</li> <li>• 640 × 480 pixels: 0.17 mrad/pixel</li> </ul>
Lens identification	Yes, service calibration required
F-number	1.35
Number of lenses	4 (4 asph)
Distortion	< 4.2%

### Physical data

Weight	0.42 kg (0.93 lb.)
Size (L × D)	108 × 75 mm (4.3 × 3.0 in.)
Front lens diameter	63 mm (2.5 in.)



## IR lens, f=70 mm (6°) with case

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Shipping information	
Packaging, type	Cardboard box
List of contents	<ul style="list-style-type: none"><li>• Lens</li><li>• Lens case</li><li>• Front lens cap</li><li>• Rear lens cap</li><li>• Lens mounting instructions</li></ul>
Packaging, weight	1.1 kg (2.4 lb.)
Packaging, size	215 × 140 × 150 mm (8.46 × 5.51 × 5.91 in.)
EAN-13	7332558023037
UPC-12	845188018702
Country of origin	Sweden

### Compatible with the following products:

- 85900-0000; FLIR A700 Thermal Core
- 85900-1100; FLIR A700 Thermal Core, Optional temperature range
- 85902-0102; FLIR A700 24° Professional Science Kit
- 85902-0202; FLIR A700 24° Standard Science Kit
- 85903-0102; FLIR A700 24° f/1.0 Professional Science Kit
- 85903-0202; FLIR A700 24° f/1.0 Standard Science Kit
- 90600-0000; FLIR A500 Thermal Core
- 90600-1100; FLIR A500 Thermal Core, Optional temperature range
- 90610-0202; FLIR A500 24° Standard Science Kit
- 90611-0102; FLIR A500 24° Professional Science Kit
- 91900-0000; FLIR A400 Thermal Core
- 91900-1100; FLIR A400 Thermal Core, Optional temperature range
- 91902-0202; FLIR A400 24° Standard Science Kit
- 91903-0102; FLIR A400 24° Professional Science Kit
- 79301-0101; FLIR T530 14°
- 79302-0101; FLIR T530 24°
- 79304-0101; FLIR T530 24° + 14°
- 79306-0101; FLIR T530 24° + 14° & 42°
- 79305-0101; FLIR T530 24° + 42°
- 79303-0101; FLIR T530 42°
- 79307-0101; FLIR T530 42° + 14°
- 79308-0101; FLIR T530 Dual FOV 14° + 24°
- 79301-0201; FLIR T540 14°
- 79302-0201; FLIR T540 24°
- 79304-0201; FLIR T540 24° + 14°
- 79306-0201; FLIR T540 24° + 14° & 42°
- 79305-0201; FLIR T540 24° + 42°
- 79303-0201; FLIR T540 42°
- 79307-0201; FLIR T540 42° + 14°
- 79308-0201; FLIR T540 Dual FOV 14° + 24°
- 89001-0101; FLIR T560 14°
- 89002-0101; FLIR T560 24°
- 89004-0101; FLIR T560 24° + 14°
- 89006-0101; FLIR T560 24° + 14° & 42°
- 89005-0101; FLIR T560 24° + 42°
- 89003-0101; FLIR T560 42°
- 89007-0101; FLIR T560 42° + 14°
- 89009-0101; FLIR T560 Dual FOV 14° + 24°
- 82501-0201; FLIR T840 14°
- 82502-0201; FLIR T840 24°
- 82504-0201; FLIR T840 24° + 14°
- 82506-0201; FLIR T840 24° + 14° & 42°
- 82509-0201; FLIR T840 24° + 14° & 6°



## IR lens, f=70 mm (6°) with case

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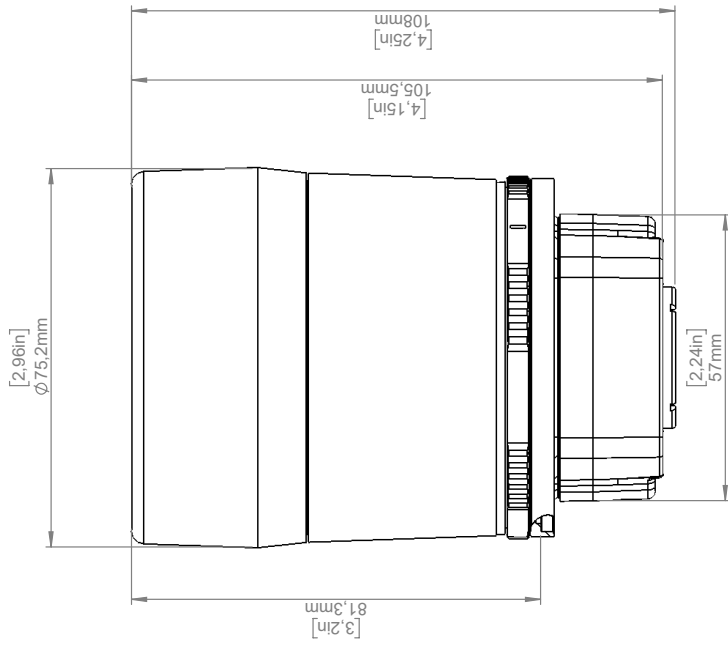
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- 82505-0201; FLIR T840 24° + 42°
- 82508-0201; FLIR T840 24° + 6°
- 82503-0201; FLIR T840 42°
- 82507-0201; FLIR T840 42° + 14°
- 82510-0201; FLIR T840 Dual FOV 14° + 24°
- 89201-0101; FLIR T860 14°
- 89202-0101; FLIR T860 24°
- 89204-0101; FLIR T860 24° + 14°
- 89206-0101; FLIR T860 24° + 14° & 42°
- 89211-0101; FLIR T860 24° + 14° & 6°
- 89205-0101; FLIR T860 24° + 42°
- 89210-0101; FLIR T860 24° + 6°
- 89203-0101; FLIR T860 42°
- 89207-0101; FLIR T860 42° + 14°
- 89212-0101; FLIR T860 Dual FOV 14° + 24°
- 89201-0201; FLIR T865 14°
- 89202-0201; FLIR T865 24°
- 89204-0201; FLIR T865 24° + 14°
- 89206-0201; FLIR T865 24° + 14° & 42°
- 89213-0201; FLIR T865 24° + 14° & 6°
- 89205-0201; FLIR T865 24° + 42°
- 89212-0201; FLIR T865 24° + 6°
- 89203-0201; FLIR T865 42°
- 89207-0201; FLIR T865 42° + 14°
- 89214-0201; FLIR T865 Dual FOV 14° + 24°

# IR LENS 70mm (6°)



Modified by <b>A. ZETTERLUND</b>	Approved by <b>FRGU</b>	Modified <b>2022-10-03</b>	<b>FLIR</b>
This document does not contain any export-controlled information.			
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