

P/N: T197415

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Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions.



General description	
For R&D usage or development purposes. As an example looking at PCB's or small electronic components.	
Imaging and optical data	
Field of view (FOV)	8 × 6 mm
Magnifying factor	1×
Working distance	20 mm
Depth of field	±0.15 mm
Focal length	18.2 mm (0.72 in.)
Spatial resolution (IFOV)	25 µm
F-number	1.3
Number of lenses	3 (3 asph)
MTF @ 70% of FOV	Normal requirements (52%)
Distortion	3%
Lens note	The lens and mounting support does not mechanically fit the FLIR T/Bxxx series.
Physical data	
Weight	0.38 kg (0.83 lb.)
Size (L × D)	167 × 60 mm
Shipping information	
Packaging, type	Cardboard box
List of contents	<ul style="list-style-type: none"> • Lens • Lens case • Mounting support
Packaging, weight	1.168 kg (2.6 lb.)
Packaging, size	385 × 308 × 165 mm (15.2 × 12.1 × 6.5 in.)
EAN-13	7332558005958
UPC-12	845188006143
Country of origin	Sweden

Compatible with the following products:

- 48201-1001; FLIR A300
- 42701-1001; FLIR A300 (9 Hz)
- 48201-1101; FLIR A310



Close-up 1× (25 µm) incl. case and mounting support for A3xx, A3xxsc

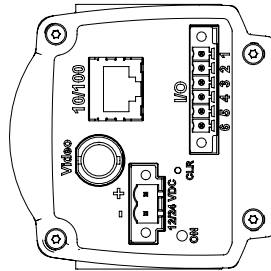
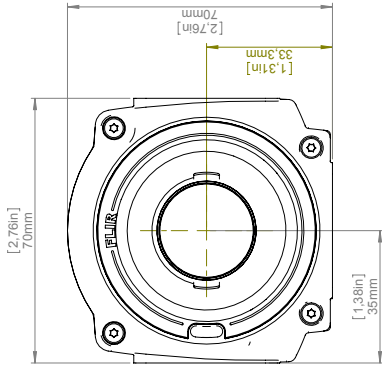
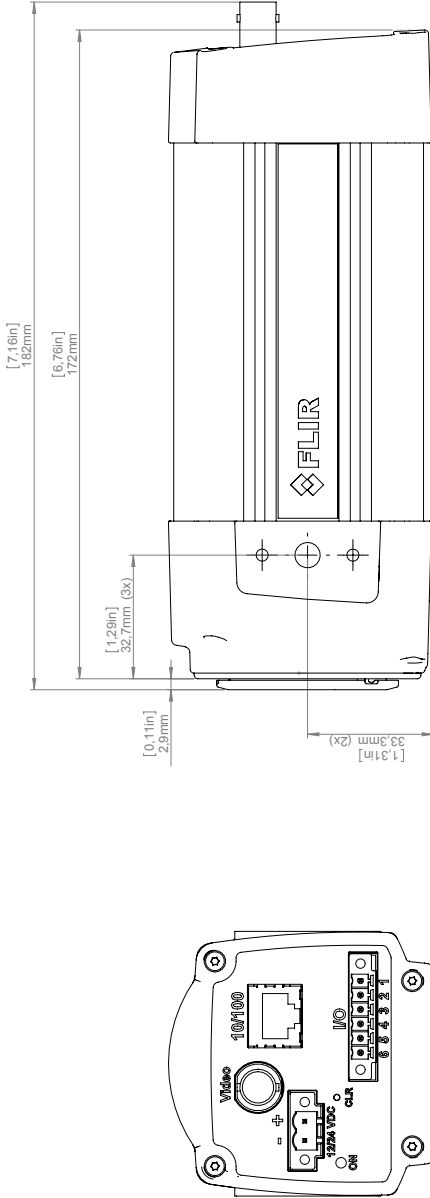
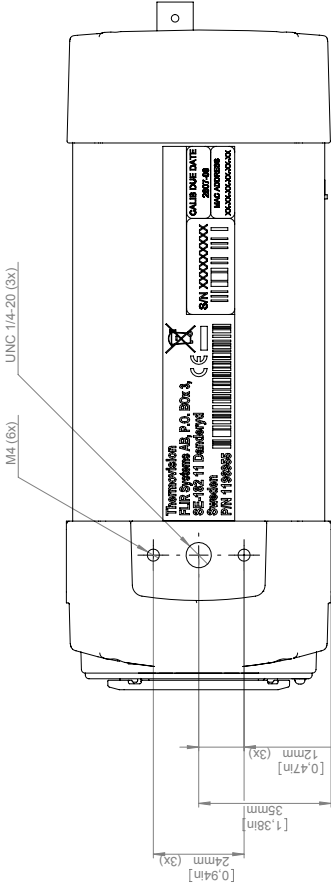
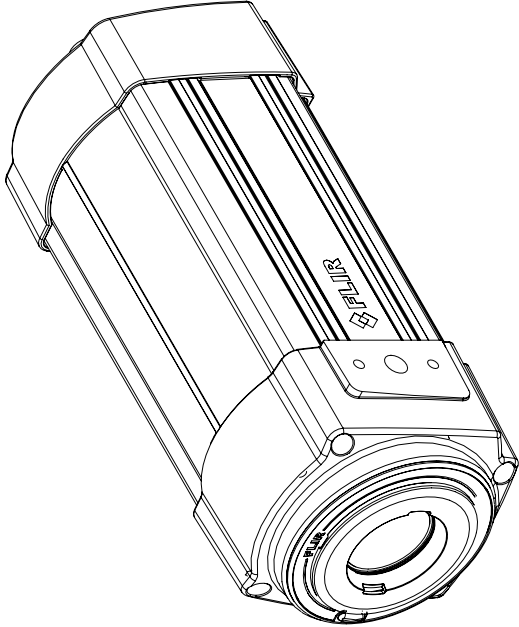
P/N: T197415

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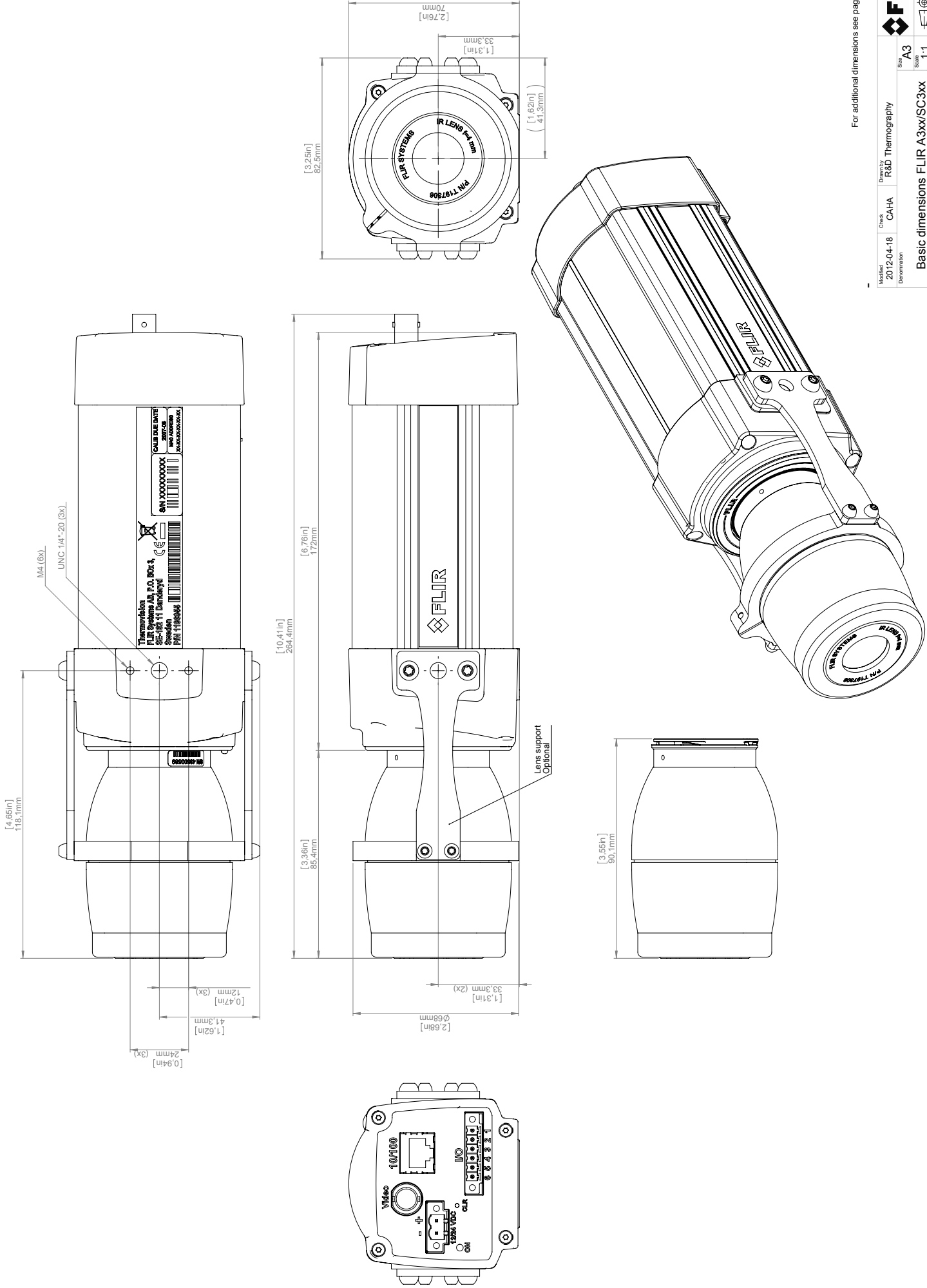
#T197415; r. 42932; en-US

- 42701-1101; FLIR A310 (9 Hz)
- 48001-1101; FLIR A315
- 48201-1201; FLIR A320 Tempscreen
- 42701-1201; FLIR A320 Tempscreen (9 Hz)
- 48001-1001; FLIR A325sc

Camera with built-in IR lens f=18 mm (25°)



Camera with Lens IR f=4 mm (90°) incl support



For additional dimensions see page 1

Modified 2012-04-18	Check CAHA	Drawn by R&D Thermography	Size A3	Scale 1:1	Sheet 2(8)	Size A
Basic dimensions FLIR A3xx/SC3xx						T125002

Camera with Lens IR f=10 mm (45°)

The drawing includes the following views and dimensions:

- Front View:** Shows the camera body with a lens diameter of $\phi 47\text{mm}$ and a mounting flange diameter of $\phi 33.3\text{mm}$ (2x). The overall width is 1.51in (38.4mm).
- Side View:** Shows the camera's profile with a total height of 6.75in (171mm). The mounting flange has a height of 1.33in (34mm). The camera body has a height of 8.37in (213mm).
- Rear View:** Shows the rear of the camera with a lens diameter of $\phi 47\text{mm}$ and a mounting flange diameter of $\phi 33.3\text{mm}$ (2x). The overall width is 1.51in (38.4mm).
- Top View:** Shows the top of the camera with a lens diameter of $\phi 47\text{mm}$ and a mounting flange diameter of $\phi 33.3\text{mm}$ (2x). The overall width is 1.51in (38.4mm).
- Bottom View:** Shows the bottom of the camera with a lens diameter of $\phi 47\text{mm}$ and a mounting flange diameter of $\phi 33.3\text{mm}$ (2x). The overall width is 1.51in (38.4mm).
- Isometric View:** Shows the camera from an isometric perspective.
- Detail View:** Shows a detail of the mounting flange with dimensions: 1.38in (35mm) for the mounting hole diameter, 1.38in (35mm) for the mounting hole diameter, and 1.38in (35mm) for the mounting hole diameter.

For additional dimensions see page 1

Model	Check	Drawn by	R&D Thermography	Size	Sheet	Scale	Sheet	Sheet	Sheet
2012-04-18	CAHA	CAHA	CAHA	A3	1:1	3(8)	T125002	A	A

Basic dimensions FLIR A3xx/SC3xx

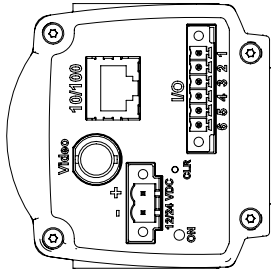
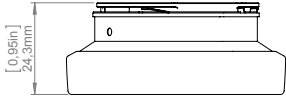
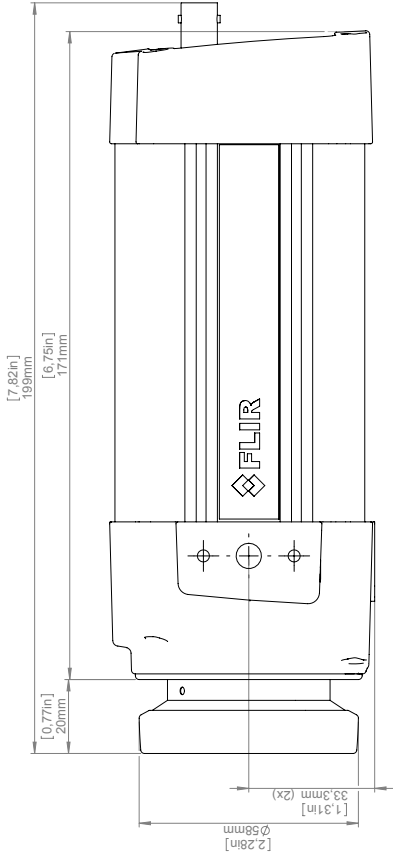
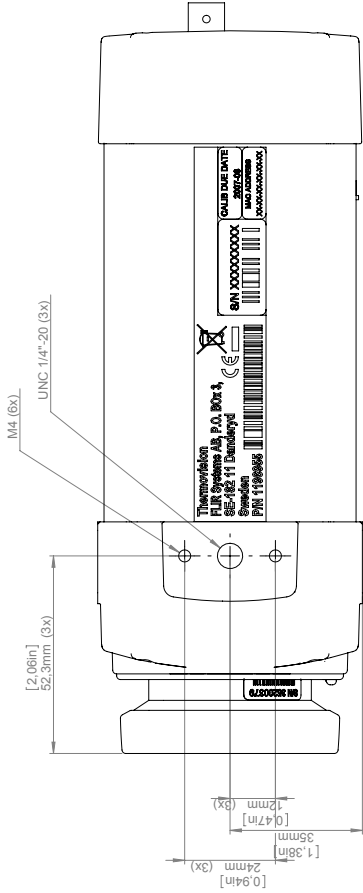
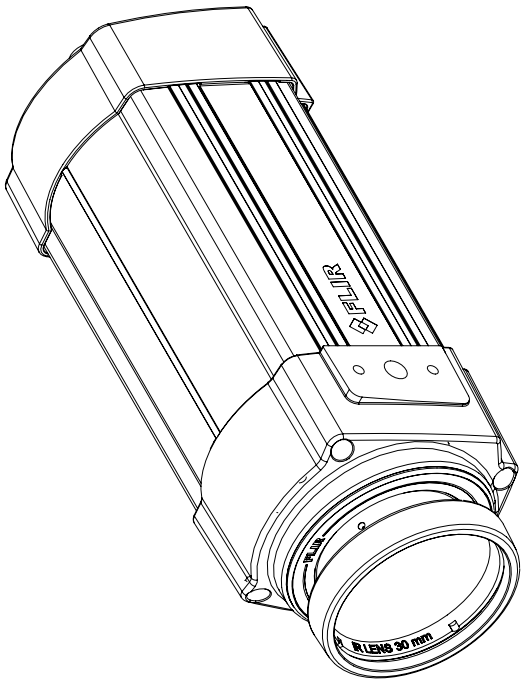
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Description			Size A3	Scale 1:1
Basic dimensions FLIR A3xx/SC3xx			 Spot Size 3(6)	 Drawing No. T125002
-			 Size A	

Basic dimensions FLIR A3xx/SC3xx

Drawing No. **T125002**
Size **A**

Product may be subject to U.S. export regulations. Please refer to exportquestions@flr.com for any questions. Diversion contrary to U.S. law is prohibited.

Camera with Lens IR f=30 mm (15°)



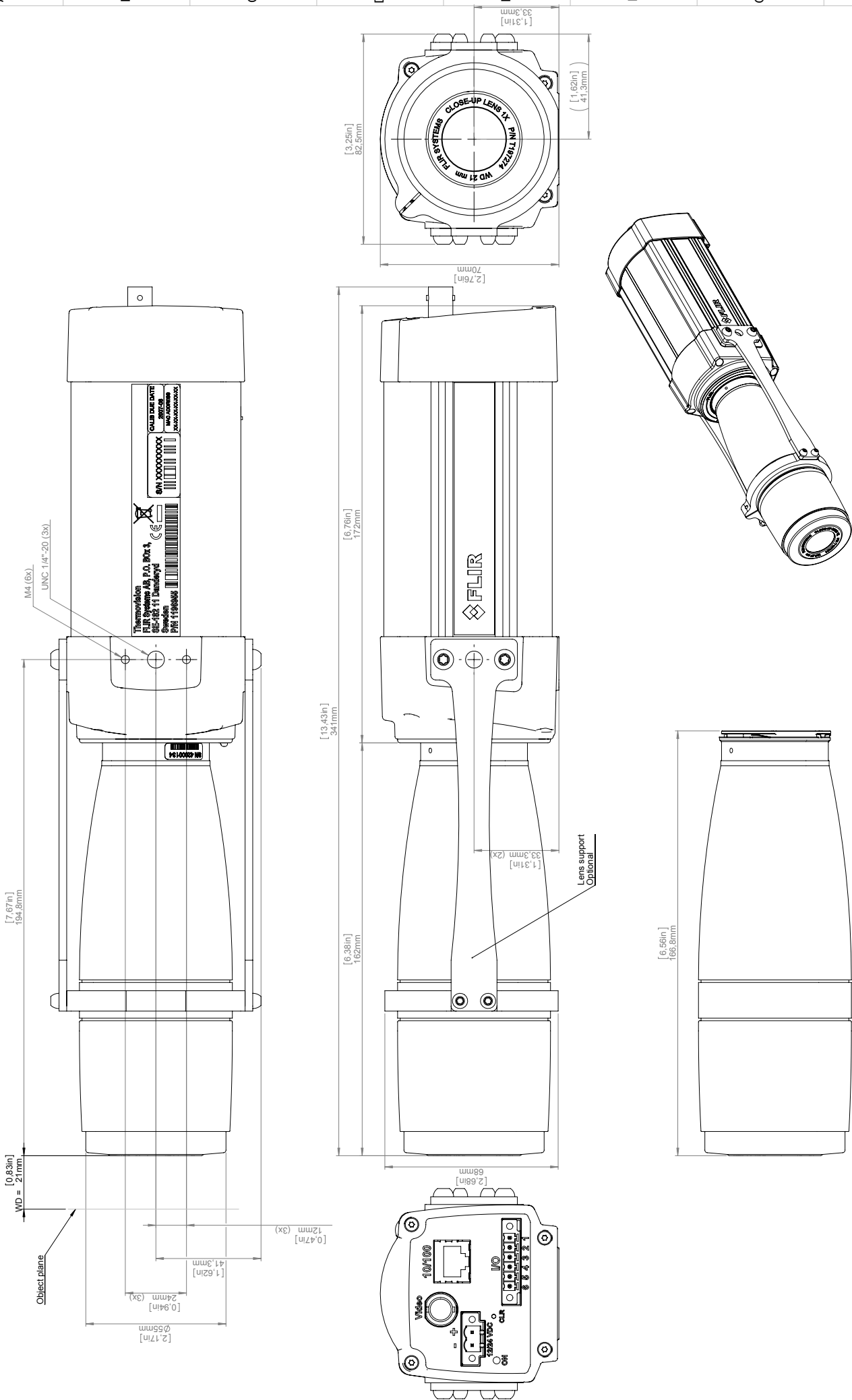
For additional dimensions see page 1

Modified 2012-04-18	Check CAHA	Drawn by R&D Thermography	Size A3	Scale 1:1	Sheet 4(8)	Size A
Basic dimensions FLIR A3xx/SC3xx						
Drawing No. T125002						

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Modified 2012-04-18	Check CAHA	Drawn by R&D Thermography	Size A3	  Sheet 56
Basic dimensions FLIR A3xx/SC3xx			Scale 1:1	Drawing No. T125002
Denomination -				Size A

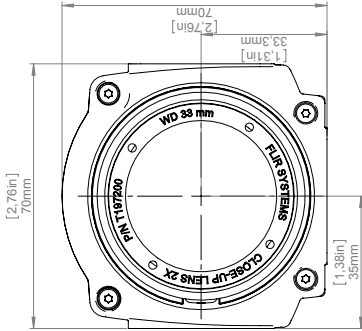
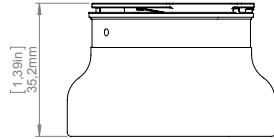
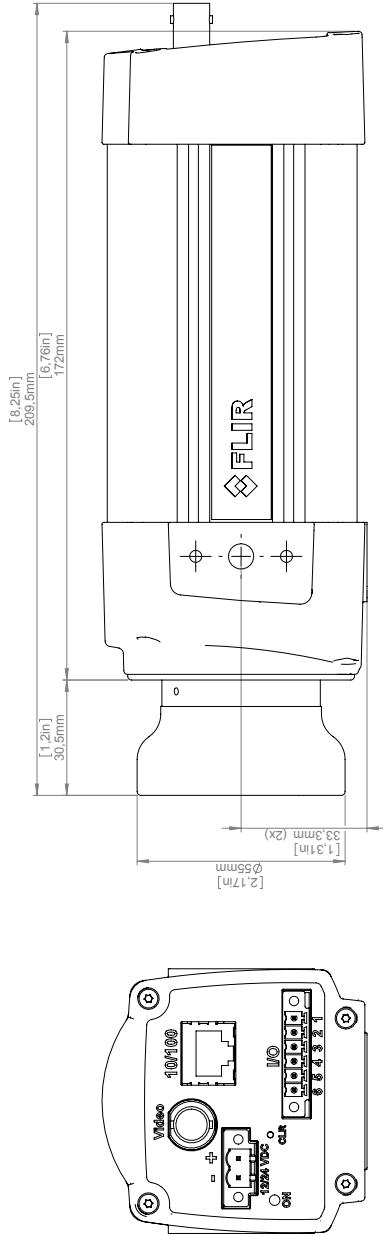
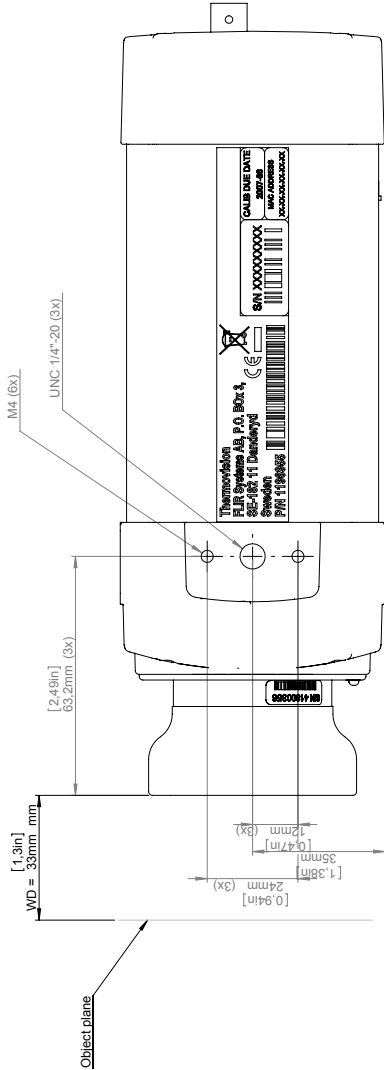
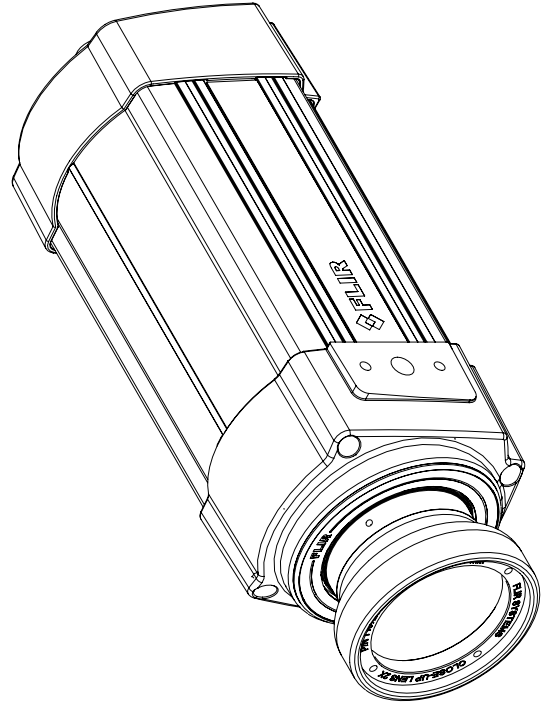
Camera with Close-up lens 1X (25 µm) incl support



For additional dimensions see page 1

FLIR			
Modified	Drawn by	Check	Drawn by
2012-04-18	CAHA	CAHA	R&D Thermography
Denotation			
Basic dimensions FLIR A3xx/SC3xx			
Size	A3	Scale	1:1
Sheet	6(8)	Sheet	6(8)
Drawing No.	T125002	Sheet	A

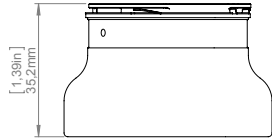
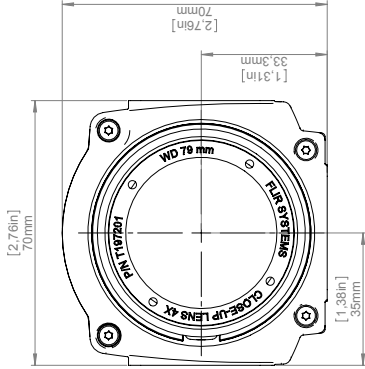
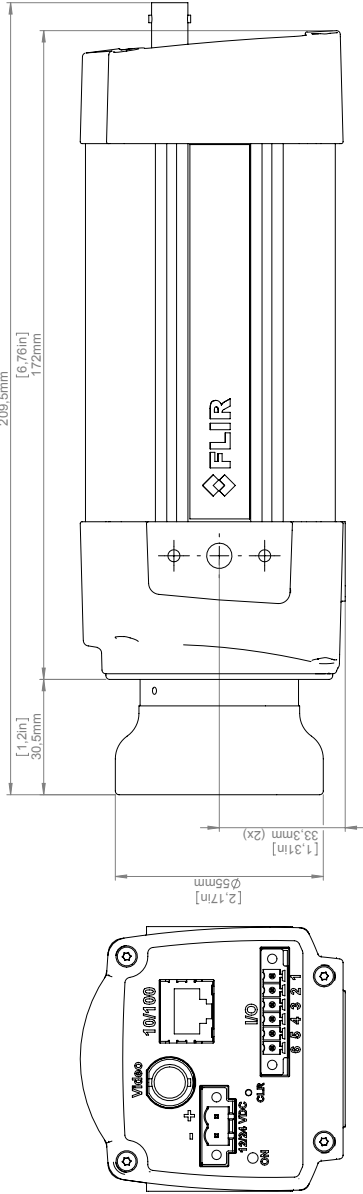
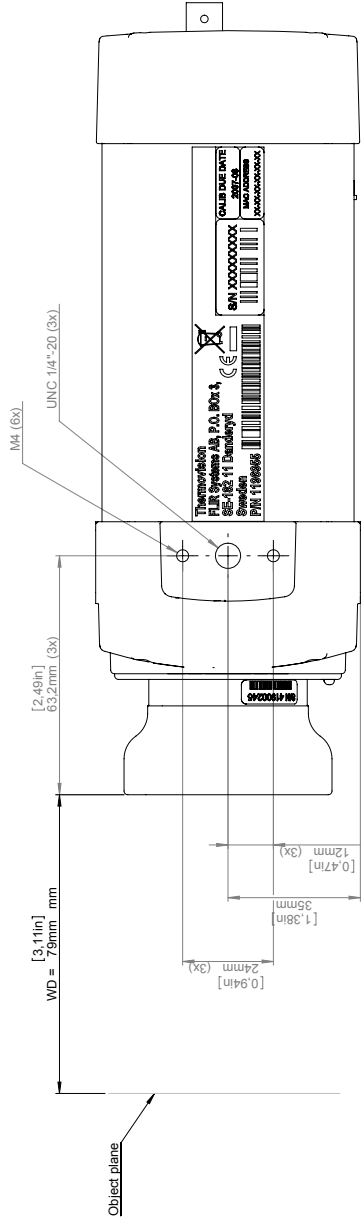
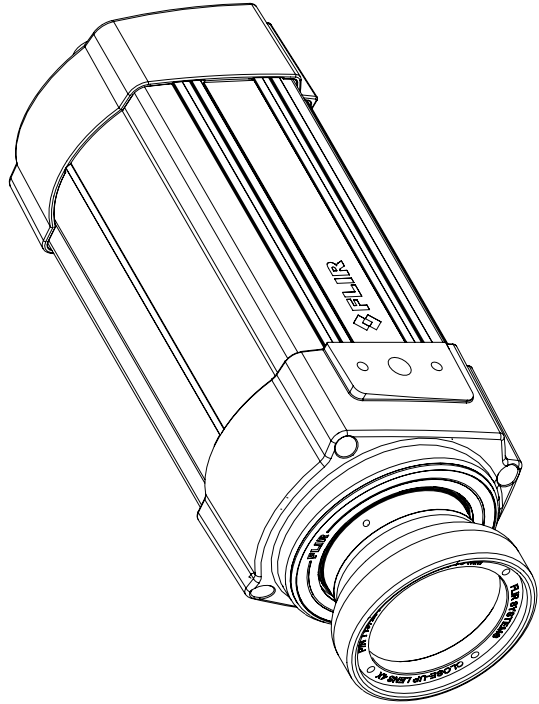
Camera with Close-up lens 2X (50 µm)



For additional dimensions see page 1

FLIR				Size A3		Scale 1:1		Sheet 7(8)		Drawing No. T125002		Size A	
Modified 2012-04-18				Check CAHA		Drawn by R&D Thermography		Title Basic dimensions FLIR A3xx/SC3xx		-		-	

Camera with Close-up lens 4X (100 µm)



For additional dimensions see page 1

Modified 2012-04-18	Check CAHA	Drawn by R&D Thermography	Size A3	Scale 1:1	Part 8(8)	Size A
Denotation			Basic dimensions FLIR A3xx/SC3xx			Drawing No. T125002