

P/N: T199065

Copyright

© 2018, FLIR Systems, Inc.

All rights reserved worldwide. Names and marks appearing herein are either registered trademarks or trademarks of FLIR Systems and/or its subsidiaries. All other trademarks, trade names or company names referenced herein are used for identification only and are the property of their respective owners.

Document identity

Publ. No.: T199065
 Commit: 53119
 Language: en-US
 Modified: 2018-10-19
 Formatted: 2018-10-19

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	
The close-up lens is attached to the standard 28° IR lens and provides three times magnification. The close-up lens is intended for R&D usage or development purposes. As an example, for studies of PCBs and small electronic components.	

Imaging and optical data	
Field of view (FOV)	52° × 40° (66° diagonal)
Magnifying factor	3×
Working distance	97 mm (3.8 in.)
Depth of field	0.5 mm (0.02 in.)
Focal length	50 mm (2.0 in.)
Spatial resolution (IFOV)	51 μ m
Lens identification	No
F-number	1.15
Number of lenses	2 (2 asph)
Distortion	0.4%

Physical data	
Weight	0.620 kg (1.37 lb.)
Size (L × D)	127.5 × 91 mm (5.02 × 3.58 in.)
Front lens diameter	76 mm (3.0 in.)

Shipping information	
Packaging, type	Cardboard box
List of contents	<ul style="list-style-type: none"> • Lens • Lens case • Front lens cap • Rear lens cap • Mounting instruction



Close-up lens 3x (51 µm) with case

P/N: T199065

© 2018, FLIR Systems, Inc.

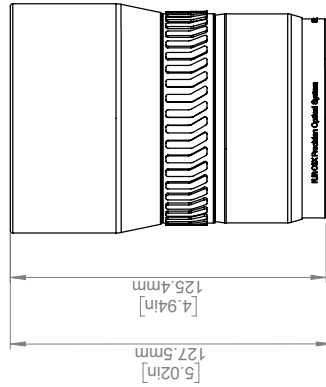
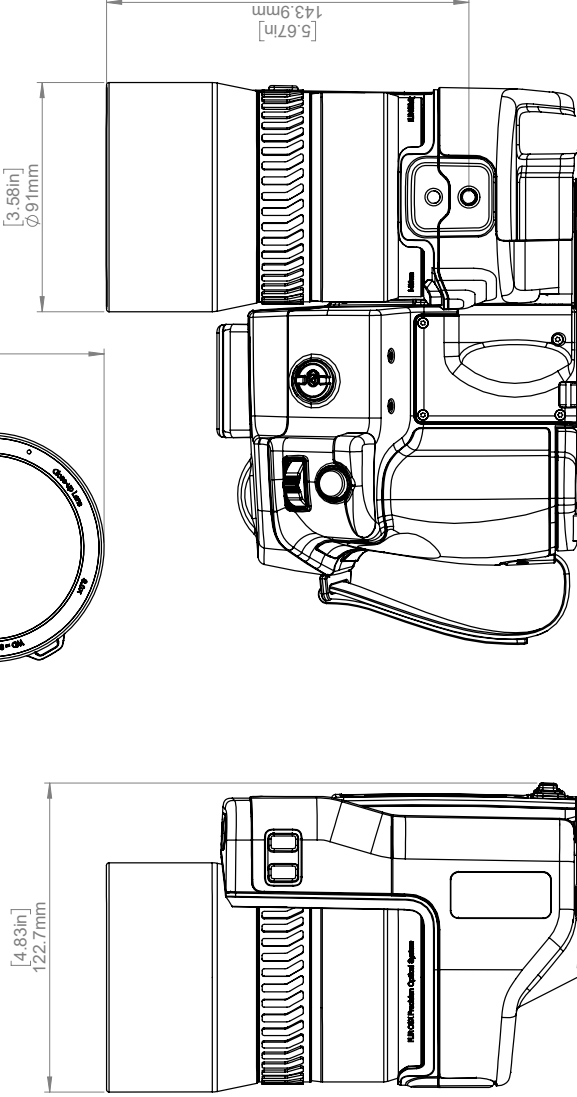
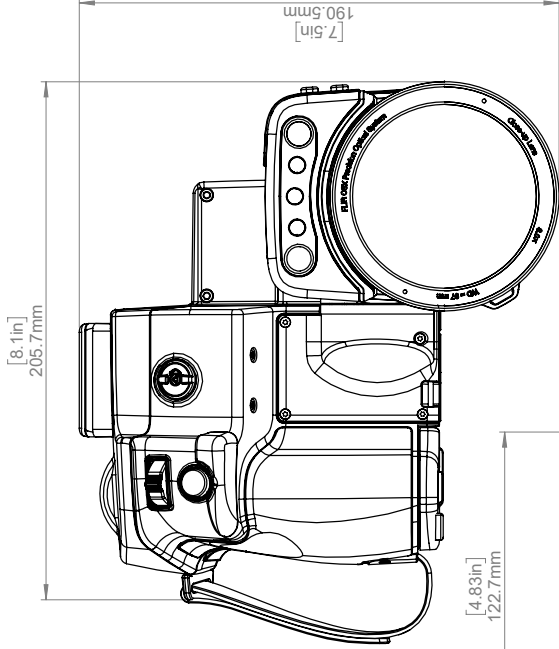
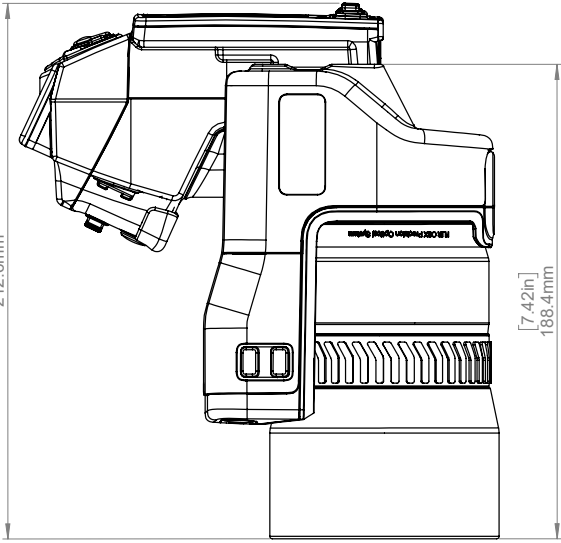
#T199065; r. 53119; en-US

Shipping information	
Packaging, weight	0.96 kg (2.1 lb.)
Packaging, size	173 × 135 × 135 mm (6.81 × 5.31 × 5.31 in.)
EAN-13	7332558011003
UPC-12	845188011857
Country of origin	Sweden

Compatible with the following products:

- 72502-0502; FLIR T1010 28°
- 72501-0102; FLIR T1020 28°
- 72501-0104; FLIR T1020 28° and 12°
- 72501-0105; FLIR T1020 28° and 45°
- 72501-0106; FLIR T1020 28°, 12°, and 45°
- 72501-0202; FLIR T1030sc 28°
- 72501-0302; FLIR T1040 28°
- 72501-0402; FLIR T1050sc 28°

IR-LENS CLOSE-UP (3X)



Modified	2018-10-15	Check	JOHE	Drawn by	R&D Thermography
Denomination					
Basic dimensions FLIR T10xx					
Size	A3				
Scale	1:2				
Sheet	6(6)				
Size	T128849				
Drawing No.	T128849				

