



HANDHELD THERMAL CAMERA MATRIX



Specifications	Mobile		Compact		Industrial				Point & Shoot				Professional				High-Performance															
Model	FLIR ONE Pro LT	FLIR ONE Pro	C3-X	C5	TG165-X	TG275	TG267	TG297	E4	E5-XT	E6-XT	E8-XT	E54	E76	E86	E96	T530	T540	T560	T840	T865	T1010	T1020									
IR resolution	80 x 60 (4,800 pixels)	160 x 120 (19,200 pixels)	128 x 96 (12,288 pixels)	160 x 120 (19,200 pixels)	80 x 60 (4,800 pixels)	160 x 120 (19,200 pixels)			80 x 60 (4,800 pixels)	160 x 120 (19,200 pixels)	240 x 180 (43,200 pixels)	320 x 240 (76,800 pixels)	320 x 240 (76,800 pixels)	320 x 240 (76,800 pixels)	464 x 348 (161,472 pixels)	640 x 480 (307,200 pixels)	320 x 240 (76,800 pixels)	464 x 348 (161,472 pixels)	640 x 480 (307,200 pixels)	464 x 348 (161,472 pixels)	640 x 480 (307,200 pixels)	1024 x 768 (786,432 pixels)										
UltraMax® resolution	-	-	-	-	-	-			-	-	-	-	-	307,200 pixels	645,888 pixels	1.2 MP	307,200 pixels	645,888 pixels	1.2 MP	645,888 pixels	1.2 MP	3.1 MP										
MSX® image enhancement	Yes	-	Yes	-	-	Yes			-	-	-	-	-	Yes	-	-	-	-	Yes	Yes	-	-	Yes									
Color viewfinder	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	Yes	Yes	-	Yes									
Thermal sensitivity	<0.1°C	<0.07°C	<0.07°C		<0.07°C				<0.15°C	<0.10°C	<0.06°C	<0.05°C	<0.04°C	<0.03°C				<0.03°C						<0.025°C	<0.02°C							
Accuracy	±3°C (5.4°F) or ±5%, typical percent of the difference between ambient and scene temperature. Applicable 60 sec after start-up when the unit is within 15°C to 35°C (59°F to 95°F) and the scene is within 5°C to 120°C (41°F to 248°F)		At ambient temp. 15°C to 35°C (59°F to 95°F) and object temp. above 0°C (32°F), 0°C to 100°C (32°F) to 212°F, ±3°C (±5.5°F), 100°C to 300°C (212°F to 572°F), ±3%		At ambient temp. 15°C to 35°C (59°F to 95°F) and object temp. above 0°C (32°F), 0°C to 100°C (32°F) to 212°F, ±3°C (±5.5°F), 100°C to 400°C (212°F to 752°F), ±3%		50°C to 100°C (122°F to 212°F), acc. ±1.5°C (±3°F); 0°C to 50°C (32°F to 122°F) and 100°C to 300°C (212°F to 572°F), acc. ±2.5°C (±5°F); -25°C to 50°C (-13°F to 122°F), acc. ±3°C (±7°F)		±1.5°C (2.7°F) for temperatures 50°C to 100°C (122°F to 212°F) Up to ±3°C (±5.4°F) for temperatures -25°C to 50°C (-13°F to 122°F) Up to ±3°C (±5.4°F) for temperatures 100°C to 550°C (212°F to 1022°F)		-25°C to 50°C (-13°F to 122°F): up to ±3°C (±7°F) 50 to 100°C (122 to 212°F): ±1.5°C (±3°F) or ±1.5%, whichever is greater 100°C to 380°C (212°F to 716°F): ±2.5°C (±6°F) or ±2.5%, whichever is greater		±2°C (±3.6°F) or ±2% of reading for ambient temperature 10°C to 35°C (50°F to 95°F) and object temperature above 0°C (32°F)				±2°C (±3.6°F) or ±2% of the reading				±2°C (±3.6°F) or ±2% - within entire operating temperature range, with all lenses						±1°C (±1.8°F): 5°C to 100°C (41°F to 212°F); ±1%: 100°F to 120°C (212°F to 248°F); ±2°C (±3.6°F): 40°C to 100°C (-40°F to 212°F); ±2%: 100°C to 650°C (212°F to 1202°F), 300°C to 2000°C (572°F to 3632°F); ±3%: 1800°C to 2000°C (3272°F to 3632°F) with 42° lens		±2°C (±3.6°F) or ±2% - within entire operating temperature range, with all lenses		Range -40 to 150°C (-40 to 302°F) -40 to 5°C (-40 to 41°F); ±2°C (±3.6°F) 5 to 100°C (41 to 212°F); ±1°C (±1.8°F) 100 to 150°C (212 to 302°F); ±1% Range 0 to 650°C (32 to 1202°F); 0 to 100°C (32 to 212°F); ±2°C (±3.6°F) 100 to 650°C (212 to 1202°F); ±2% Range 300 to 2000°C (572 to 3632°F); ±2%	
Temperature range	-20°C to 120°C (-4°F to 248°F)	-20°C to 400°C (-4°F to 752°F)	-20°C to 300°C (-4°F to 572°F)	-20°C to 400°C (-4°F to 752°F)	-25°C to 300°C (-13°F to 572°F)	-25°C to 550°C (-13°F to 1022°F)	-25°C to 380°C (-13°F to 716°F)	-25°C to 1030°C (-13°F to 1886°F)	-20°C to 250°C (-4°F to 482°F)	-20°C to 400°C (-4°F to 752°F)	-20°C to 550°C (-4°F to 1022°F)	-	-20°C to 650°C (-4°F to 1,202°F)	-20°C to 1,500°C (-4°F to 2,732°F)	-	-20°C to 650°C (-4°F to 1,202°F)	-20°C to 1,500°C (-4°F to 2,732°F)	-	-40°C to 2,000°C (-40°F to 3,632°F)	-40°C to 650°C (-40°F to 1,202°F)	-40°C to 2000°C (-40°F to 3,632°F)	-	-									
Focus modes	Focus free		Focus free		Focus free				Focus free				Manual	Continuous laser distance meter (LDM), one-shot LDM, one-shot contrast, manual				Continuous laser distance meter (LDM), one-shot LDM, one-shot contrast, manual														
Field of view	50° x 38°	55° x 43°	54° x 42°		51° x 66°				57° x 44°				45° x 34°				24° x 18°				Lens dependent											
Available lenses	-		-		-				-				-				14°, 24°, 42°, and 2x Macro lenses				6°, 14°, 24°, 42°, and 2x Macro lenses						7°, 12°, 28°, 45°, and 3x Macro lens					
Measurement tools	Spotmeter		Spotmeter (center spot), area box (max/min)		Center spot on/off				Spotmeter (center spot), Spotmeter (center spot), area box (max/min), isotherm (above/below/interval)				No measurement, center spot, hot spot, cold spot, 3 spots, hot spot-spot*				3 spotmeters, 3 area boxes (max/min), hot spot, cold spot, User Presets (1 & 2), Delta T				3 spotmeters, 3 area boxes (max/min), hot spot, cold spot, User Presets (1 & 2), Delta T				10 spotmeters, 5 area boxes (max/min), hot spot, cold spot, User Presets (1 & 2), Delta T		10 spotmeters, 5+5 area boxes (max/min/avg.), profile (max/min), hot spot, cold spot, User Presets (1 & 2), Delta T					
Communication modes	USB-C, micro-USB and Lightning		USB, Wi-Fi, Bluetooth, FLIR Ignite™ Cloud Service		USB Type-C: data transfer/power, USB 2.0				USB Type-C: data transfer/power, USB 2.0, Bluetooth® BLE				USB, Wi-Fi				USB 2.0, Wi-Fi, Bluetooth, DisplayPort				USB 2.0, Wi-Fi, Bluetooth, DisplayPort						USB Micro-B, HDMI		USB Micro-B, Wi-Fi, Bluetooth, HDMI			
Touchscreen	-		3.5 in (8.9 cm)		-				-				4 in (10.16 cm)				4 in (10.16 cm)						4.3 in (10.92 cm)									
On-screen text, image sketch	-		Touch keyboard for text only		-				-				-				Yes				Yes						-		Yes			
Voice annotation	-		-		-				-				-				Yes				Yes						-		Yes			
Laser pointer	-		-		Center spot and circular area				-				-				Yes				Yes						-		Yes			
METERLINK®	-		-		-				Yes				-				Yes				Yes						-		Yes			
Radiometric JPEG	Yes		Yes		JPEG w/ spot temp data				Yes				-				Yes				Yes						-		Yes			
IR video storage	Yes		-		-				-				-				Yes				Yes						-		Yes			
Built-in GPS/Compass	-		-		-				-				-				Yes				Yes						-		Yes			
FLIR Inspection Route	Not available		Not available		Not available				Not available				Not available				Yes				Yes						-		Yes			
1-touch Level/Scan	Not available		Not available		Not available				Not available				Not available				Yes				Yes						-		Yes			

*Hot spot to center spot Delta measurement

Equipment described herein is subject to us export regulations and may require a license prior to export. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. For the most up-to-date specs, please visit flir.com. ©2021 FLIR Systems, Inc. All rights reserved. Updated 03/2021 [21-0041-INS]

Aufgrund laufender Weiterentwicklungen sind Änderungen der Spezifikationen vorbehalten. Alle Angaben vorbehaltlich Satz- und Druckfehler.

v07/04/2021