



THERMAL CAMERA MATRIX



Specifications	Mobile		Compact	Industrial			Point & Shoot					Professional				High-Performance								
Model	FLIR ONE Pro LT	FLIR ONE Pro	C5	TG275	TG267	TG297	E4	E5	E5-XT	E6-XT	E8-XT	E53	E75	E85	E95	T530	T540	T840	T620	T640	T860	T1010	T1020	
IR resolution	80 × 60 (4,800 pixels)	160 × 120 (19,200 pixels)	160 × 120 (19,200 pixels)	160 × 120 (19,200 pixels)			80 × 60 (4,800 pixels)	120 × 90 (10,800 pixels)	160 × 120 (19,200 pixels)	240 × 180 (43,200 pixels)	320 × 240 (76,800 pixels)	240 × 180 (43,200 pixels)	320 × 240 (76,800 pixels)	384 × 288 (110,592 pixels)	464 × 348 (161,472 pixels)	320 × 240 (76,800 pixels)	464 × 348 (161,472 pixels)		640 × 480 (307,200 pixels)		640 × 480 (307,200 pixels)	1024 × 768 (786,432 pixels)		
UltraMax® resolution	-	-	-	-			-					-	307,200 pixels	442,368 pixels	645,888 pixels	307,200 pixels	645,888 pixels		1.2 MP		1.2 MP	3.1 MP		
MSX® image enhancement	Yes	Yes	Yes	Yes			Yes					Yes				Yes								
Color viewfinder	-	-	-	-			-					-				-	Yes	-	Yes	Yes	-	Yes	-	Yes
Thermal sensitivity	<0.1°C	<0.07°C	<0.10°C	<70 mK			<0.15°C	<0.10°C	<0.10°C	<0.06°C	<0.05°C	<0.04°C	<0.03°C			<0.03°C		<0.04°C	<0.03°C	<0.03°C	<0.03°C	<0.025°C	<0.02°C	
Temperature range	-20°C to 120°C (-4°F to 752°F)	-20°C to 400°C (-4°F to 752°F)	-20 to 400°C (-4 to 752°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 1,200°F)	-20°C to 650°C (-4°F to 1,200°F)	-20°C to 1,200°C (-4°F to 2,192°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 650°C (-40°F to 1,202°F)	-40°C to 2,000°C (-40°F to 3,632°F)	-20°C to 2000°C (-4°F to 3632°F)	-40°C to 650°C (-40°F to 1,202°F)	-40°C to 2000°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)		
												Optional to 1,000°C (1,830°F)			Optional to 1,200°C (2,192°F)			Optional to 2,000°C (3,632°F)						
Field of view	50° × 38°	55° × 43°	54° × 42°	57° × 44°			45° × 34°					24° × 18°	Lens dependent			Lens dependent		Lens dependent		Lens dependent	Lens dependent			
Measurement tools	Spotmeter		Spotmeter (center spot), area box (max/min)	Center spot on/off			Spotmeter (center spot)	Spotmeter (center spot), area box (max/min)		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, 1 area box (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			3 spotmeters, 3 area boxes (max/min), hot spot, cold spot, User Presets (1 & 2), Delta T		10 spotmeters, 5+5 area boxes, hot spot, cold spot, User Presets (1 & 2), Delta T	10 spotmeters, 5+5 area boxes, profile (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	1 spotmeter, 1 area box (max/min/avg.), profile (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, Bluetooth® BLE			USB, Wi-Fi					USB 2.0, Wi-Fi, Bluetooth, DisplayPort				USB 2.0, Wi-Fi, Bluetooth, DisplayPort		USB, Wi-Fi, Bluetooth, mini-HDMI		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)		4 in (10.16 cm)	4.3 in (10.92 cm)			
On-screen text, image sketch	-	-	Yes	-			-					Yes				Yes		Yes		-	Yes			
Voice annotation	-	-	-	-			-					Yes				Yes		Yes		-	Yes			
Laser pointer	-	-	-	Center spot and circular area			-					Yes				Yes		Yes		-	Yes			
METERLINK®	-	-	-	-	Yes	-	-					Yes				Yes		Yes		-	Yes			
Radiometric JPEG	Yes	Yes	Yes	JPEG w/ spot temp data			Yes					Yes				Yes		Yes		-	Yes			
IR video storage	Yes	Yes	-	-			-					Yes				Yes		Yes		-	Yes			
Built-in GPS/Compass	-	-	-	-			-					Yes				Yes		Yes		-	Yes			
Available lenses	-	-	-	-			-					-	14°, 24° and 42° AutoCal™ lenses			6°, 14°, 24° and 42° AutoCal™ lenses		7°, 15°, 25°, 45° and 80°		6°, 14°, 24°, 42° AutoCal lenses	7°, 12°, 28° and 45°			

*Hot spot to center spot Delta measurement

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