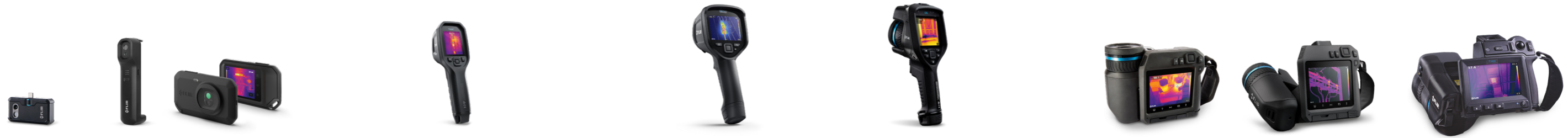




HANDHELD THERMAL CAMERA MATRIX



Specifications	Mobile			Compact		Industrial				Handheld			Professional				High-Performance												
Model	FLIR ONE® Pro	FLIR ONE® Edge	FLIR ONE® Edge Pro	C3-X	C5/Cx5	TG165-X	TG267	TG275	TG297	E5 Pro	E6 Pro	E8 Pro	E52	E54	E76	E86	E96	T530	T540	T560	T840	T865	T1020						
IR resolution	160 × 120 (19,200 pixels)	80 × 60 (4,800 pixels)	160 × 120 (19,200 pixels)	128 × 96 (12,288 pixels)	160 × 120 (19,200 pixels)	80 × 60 (4,800 pixels)			160 × 120 (19,200 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)	464 × 348 (161,472 pixels)	640 × 480 (307,200 pixels)	464 × 348 (161,472 pixels)	640 × 480 (307,200 pixels)	464 × 348 (161,472 pixels)	640 × 480 (307,200 pixels)	1,024 × 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												
VividIR™ image enhancement	Yes	-	Yes																										
Color viewfinder																	Yes												
Thermal sensitivity	<0.07°C			<0.07°C		<0.07°C				<0.06°C	<0.05°C	<0.04°C	<0.05°C	<0.04°C	<0.03°C		<0.03°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): ±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): ±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. of ±1.5°C (±3°F); 0°C to 50°C (32°F to 122°F): 100°C to 300°C (212°F to 572°F): acc. of ±2.5°C (±6°F); -25°C to 0°C (-13°F to 32°F): acc. of ±3°C (±7°F)		-25°C to 50°C (-13°F to 122°F): acc. up to ±3°C (±7°F) 50 to 100°C (122°F to 212°F): acc. of ±1.5°C (±3°F) or ±1.5% whichever is greater 100°C to 380°C (212°F to 716°F): acc. of ±2.5°C (±6°F) or ±2.5% whichever is greater		-25°C to 0°C (-13°F to 32°F): acc. ±3°C (±7°F) 0°C to 50°C (32°F to 122°F): acc. ±2.5°C (±6°F) or ±1.5% whichever is greater 100°C to 500°C (212°F to 932°F): acc. ±2.5% 500°C to 550°C (932°F to 1022°F): acc. ±3%		-25°C to 0°C (-13°F to 32°F): acc. up to ±3°C (±7°F) 50 to 100°C (122°F to 212°F): acc. of ±1.5°C (±3°F) or ±1.5% whichever is greater 100°C to 500°C (212°F to 932°F): acc. of ±2.5°C (±6°F) or ±2.5% whichever is greater 500°C to 1,030°C (932°F to 1,886°F): acc. of ±3°C (±7°F) or ±3%, 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						5°C to 100°C (41°F to 212°F): acc. of ±1°C (±1.8°F) 100°F to 120°C (212°F to 248°F): acc. of ±1% -40°C to 100°C (-40°F to 212°F): acc. of ±2°C (±3.6°F) 100°C to 650°C (212°F to 1202°F) and 300°C to 2000°C (572°F to 3,632°F): acc. of ±2% to 3,632°F with 42° lens: acc. of ±3%		-40°C to 5°C (-40°F to 302°F): acc. of ±2°C (±3.6°F) 5°C to 100°C (41°F to 212°F): acc. of ±1°C (±1.8°F) 100°C to 150°C (212°F to 302°F): acc. of ±1% 0°C to 100°C (32°F to 212°F): acc. of ±2°C (±3.6°F) 100°C to 650°C (212°F to 1202°F): ±2% 300 to 2,000°C (572°F to 3,632°F): acc. of ±2%	
Temperature range	-20°C to 400°C (-4°F to 752°F)	-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 380°C (-13°F to 716°F)	-25°C to 550°C (-13°F to 1022°F)	-25°C to 1,030°C (-13°F to 1,886°F)	-20°C to 400°C (-4°F to 752°F)	-20°C to 550°C (-4°F to 1,022°F)	-20°C to 550°C (-4°F to 1,022°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)	-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 1,500°C (-4°F to 2,732°F)	-20°C to 1,500°C (-4°F to 2,732°F)	-20°C to 1,500°C (-4°F to 2,732°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)						
High-temperature option (accessory)															300°C to 1000°C (572°F to 1832°F)		300 to 1200°C (572°F to 2192°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	54° × 43°	54° × 42°		54° × 42°		51° × 66°		57° × 44°		33° × 25°			24° × 18°		Lens dependent														
Digital Zoom					1-4x continuous								1-4x continuous		1-8x continuous		1-4x continuous	1-6x continuous	1-8x continuous	1-6x continuous	1-8x continuous								
Available lenses															14°, 24°, 42°, 80°, 24°-14° Dual FOV FlexView™ lenses		6°, 14°, 24°, 42°, 80°, 24°-14° Dual FOV FlexView™, and 2x Macro lenses						7°, 12°, 28°, 45°, and 3x Macro lens						
Measurement tools	Spotmeter (hottest, coldest, 3-spot measurement)			Spotmeter (center spot), area box (max/min)		Center spot on/off				Center spot, area box with hot spot and cold spot, Delta T			Center spot, hot spot, cold spot, 3 spots, hot spot-spot ²		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 Type-C, Lightning	Wi-Fi, Bluetooth®		USB Type-C, Wi-Fi, Bluetooth		USB Type-C: data transfer/power, USB 2.0	USB Type-C: data transfer/power, USB 2.0, Bluetooth® BLE			USB Type-C, Wi-Fi, Bluetooth			USB 2.0, Wi-Fi, Bluetooth, DisplayPort				USB 2.0, Wi-Fi, Bluetooth, DisplayPort						USB Micro-B, Wi-Fi, Bluetooth, HDMI						
FLIR Ignite™ cloud service	Yes			Yes						Yes			Yes				Yes												
Touchscreen	Uses mobile device touchscreen			Yes						Yes			Yes				Yes												
Text, image sketch	Text notes (via mobile device display)			Touch keyboard for text only						Touch keyboard for text only			Yes				Yes												
Voice annotation													Yes				Yes												
Laser pointer						Center spot and circular area							Yes				Yes												
METERLINK®										Yes			Yes				Yes												
Radiometric JPEG	Yes			Yes		JPEG w/ spot temp data				Yes			Yes				Yes												
IR video storage	Yes									Yes			Yes				Yes												
Built-in GPS/Compass	Yes (from mobile device, if available)												Yes				Yes												
FLIR Inspection Route													Yes				Yes												
1-Touch level/span				Yes						Yes			Yes				Yes												

¹ATEX approved

²Hot spot to center spot Delta measurement