



Specifications	Mobile		Compact		Industrial				Professional						High-Performance										
Model	FLIR ONE® Pro	FLIR ONE® Edge Pro	C3-X	C5/Cx5*	TG165-X	TG275	TG267	TG297	E5-XT	E6-XT	E8-XT	E52	E54	E76	E86	E96	T530	T540	T560	T840	T865	T1020			
IR resolution	160 × 120 (19,200 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)	320 × 240 (76,800 pixels)	464 × 348 (161,472 pixels)	640 × 480 (307,200 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)	1024 × 768 (745,472 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	Yes				
Color viewfinder	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	Yes	Yes	Yes			
Thermal sensitivity	<0.07°C	-	<0.07°C	-	<0.07°C				<0.10°C	<0.06°C	<0.05°C	<0.05°C	<0.04°C	<0.03°C			<0.03°C								
Accuracy	±3°C 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 and the scene is within 5°C to 120°C	-	At ambient temp. 15°C to 35°C and object temp. above 0°C: 0°C to 100°C: ±3°C 100°C to 300°C: ±3%	At ambient temp. 15°C to 35°C and object temp. above 0°C: 0°C to 100°C: ±3°C 100°C to 400°C: ±3%	50°C to 100°C: acc. of ±1.5°C 0°C to 50°C and 100°C to 300°C: acc. of ±2.5°C -25°C to 0°C: acc. of ±3°C	50°C to 100°C: acc. of ±1.5°C -25°C to 50°C: acc. up to ±3°C 100°C to 550°C: acc. up to ±3°C	-25°C to 50°C: acc. up to ±3°C 50°C to 100°C: acc. of ±1.5°C or ±1.5% whichever is greater 100°C to 380°C: acc. of ±2.5°C or ±2.5% whichever is greater	-25°C to 50°C: acc. up to ±3°C 50 to 100°C: acc. of ±1.5°C or ±1.5% whichever is greater 100°C to 500°C: acc. of ±2.5°C or ±2.5% whichever is greater 500°C to 1030°C: acc. of ±3°C or ±3%, whichever is greater	±2°C or ±2% of the reading			±2°C or ±2% of the reading						±2°C or ±2% - within entire operating temperature range, with all lenses						5°C to 100°C: acc. of ±1°C 100°C to 120°C: acc. of ±1% -40°C to 100°C: acc. of ±2°C 100°C to 650°C and 300°C to 2000°C: acc. of ±2% 1800°C to 2000°C with 42° lens: acc. of ±3%	-40°C to 5°C: acc. of ±2°C; 5°C to 100°C: acc. of ±1°C; 100°C to 150°C: acc. of ±1% 0°C to 100°C: acc. of ±2°C; 100°C to 650°C: ±2% 300 to 2000°C: acc. of ±2%
Temperature range	-20°C to 400°C	-	-20°C to 300°C	-20°C to 400°C	-25°C to 300°C	-25°C to 550°C	-25°C to 380°C	-25°C to 1030°C	-20°C to 400°C	-20°C to 550°C	-	-20°C to 550°C	-20°C to 650°C	-	-20°C to 1,500°C	-	-20°C to 650°C	-	-20°C to 1,500°C (-4°F to 2,732°F)	-	-40°C to 2,000°C	-40°C to 2000°C			
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	55° × 43°	54° × 42°	54° × 42°		51° × 66°	57° × 44°			46° × 34°			24° × 18°		Lens dependent			Lens dependent								
Available lenses	-		-		-				-			14°, 24°, 42°, and 2x Macro lenses			6°, 14°, 24°, 42°, 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				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, 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	Wi-Fi, Bluetooth®	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, Wi-Fi, Bluetooth, HDMI				
Touchscreen	-	-	3.5 in (8.9 cm)		-				-			4 in (10.16 cm)						4 in (10.16 cm)			4.3 in (10.9 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			-				
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			-				
1-touch Level/Scan	Not available		Not available	Yes	Not available				Not available			Not available			Yes			Yes			-				

\*ATEX approved

\*Hot spot to center spot Delta measurement