



HANDHELD THERMAL CAMERAS FOR CONDITION MONITORING & BUILDING DIAGNOSTICS



Specifications	Mobile			Compact			Industrial			Scalable				Professional				High-Performance									
Model	Flir One Pro	Flir One Edge	Flir One Edge Pro	C5	C8	Cx5 (ATEX)	E5 Pro	E6 Pro	E8 Pro	i34	i35	i64	i65	E54	E76	E86	E96	T530	T540	T560	T840	T865	T1010	T1020			
Key Value	App-enabled thermal camera for smartphones			Pocket-sized, self-contained thermal camera for troubleshooting		For hazardous locations	Easy to use thermal camera that can work all day			Scalable, app-enabled thermal camera that simplifies workflow & supports inexperienced users				Routing-enabled thermal camera for professional thermographers				Ergonomic, high performance, routing-enabled thermal camera for industrial applications					Highest-level thermal imaging performance and ergonomics				
IR resolution	160 × 120	80 × 60	160 × 120	160 × 120	320 × 240	160 × 120	160 × 120	240 × 180	320 × 240	240 × 320		480 × 640		320 × 240		464 × 348	640 × 480	320 × 240	464 × 348	640 × 480	464 × 348	640 × 480	1024 × 768	1024 × 768			
Resolution with UltraMax®	N/A			N/A			N/A			N/A				NA	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				
Object temperature range	-20°C to 400°C (-4°F to 752°F) in two ranges	-20°C to 120°C (-4°F to 248°F)	-20°C to 400°C (-4°F to 752°F) in two ranges	-20°C to 400°C (-4°F to 752°F)	-20°C to 450°C (-4°F to 842°F)	-20°C to 400°C (-4°F to 752°F)	-20°C to 400°C (-4°F to 752°F) in two ranges	-20°C to 550°C (-4°F to 1022°F) in two ranges	-20°C to 550°C (-4°F to 1022°F) in two ranges	-20°C to 450°C (-4°F to 842°F) in two ranges		-20°C to 550°C (-4°F to 1022°F) in two ranges		-20°C to 650°C (-4°F to 1202°F) in two ranges	-20°C to 650°C (-4°F to 1202°F) in two ranges/ optional 300°C to 1000°C (572°F to 1832°F)	-20°C to 1500°C (-4°F to 2732°F) in three ranges		-20°C to 650°C (-4°F to 1202°F) in two ranges / optional 300°C to 1200°C (572°C to 2192°F)	-20°C to 1500°C (-4°F to 2732°F) in three ranges	-20°C to 1500°C (-4°F to 2732°F) in three ranges	-20°C to 1500°C (-4°F to 2732°F) in three ranges	-40°C to 2000°C (-40°F to 3632°F) in three ranges	-40°C to 650°C (-40°F to 1202°F) in two ranges	-40°C to 2000°C (-40°F to 3632°F) in three ranges			
Routing with Reference Image	No			No			No			Assetlink Required				Yes				Yes					No				
App-enabled	Yes			No			No			Yes - Flir ACE Ecosystem				No				No									
Field of view (FOV)	55° × 43°	54° × 42°		54° × 42°			33° × 25°			38° × 49°				24° × 18° (fixed)	42° × 32° (10 mm lens), 24° × 18° (17 mm lens), 14° × 10° (29 mm lens), 80° × 63° (5 mm lens), 24° × 18°/14° × 10° (17/29 mm DFOV lens), 42° × 32°/24° × 18° (10/17 mm DFOV lens)			42° × 32° (10 mm lens), 24° × 18° (17 mm lens), 14° × 10° (29 mm lens), 80° × 63° (5 mm lens), 24° × 18°/14° × 10° (17/29 mm DFOV lens), 42° × 32°/24° × 18° (10/17 mm DFOV lens)					45° × 34° (21.2 mm lens), 28° × 21° (36 mm lens), 12° × 9° (83.4 mm lens), 7° × 5.3° (142 mm lens)				
Meterlink®	No			No			No			Meterlink App				Yes				Yes					No				
Over-the-air updates	No			Yes			Yes			Yes				Yes				Yes					No				
1-Touch Level/Span	No			Yes			Yes			Yes				Yes				Yes									
Laser pointer	No			No			No			Yes				Yes				Yes									
Built-in GPS	No			No			No			Yes				Yes				Yes					No	Yes			
Laser area measurement	No			No			No			No				No	Yes, on screen			Yes					No				
Thermal sensitivity	<70 mK			<70 mK			<60 mK	<50 mK	<40 mK	<40 mK				<40 mK				<40 mK					<25 mK		<20 mK		
Accuracy	±5% of reading			±3% of reading	±2% of reading	±3% of reading	±2% of reading			±2% of reading				±2% of reading				±2% of reading					±1°C (±1.8°F) or ±2% of reading	±2% of reading	±1°C (±1.8°F) or ±2% of reading		
Image frequency	8.7 Hz			8.7 Hz			8.7 Hz			30 Hz				30 Hz				30 Hz									
Focus	Focus free			Focus free			Focus free			Focus free				Manual	Continuous LDM, One-shot LDM, One-shot contrast, manual			Continuous LDM, One-shot LDM, One-shot contrast, manual					One-shot, manual				
Image modes	Infrared, Visual, MSX®			Infrared, Visual, MSX, Picture-in-picture			Infrared, Visual, MSX, Picture-in-picture			Infrared, Visual, MSX, Picture-in-picture				Infrared, Visual, MSX*, Picture-in-picture				Infrared, Visual, MSX*, Picture-in-picture					Infrared, Visual, MSX	Infrared, Visual, MSX, Picture-in-picture			
Measurement tools	Hottest, coldest; 3 spot measurements			Center spot, box with max/min			Center spot, box with min/max, Delta T			Center spot, box with min/max, Delta T				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 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				
Video recording and streaming	No			No			Radiometric and non-radiometric over USB-C (requires Flir Thermal Studio software)			No				Radiometric, non-radiometric, and visual video recording to memory card or streaming over Wi-Fi				Radiometric, non-radiometric, and visual video recording to memory card or streaming over USB video class (UVC) and Wi-Fi					Radiometric, non-radiometric, and visual video recording to memory card or streaming over USB	Radiometric, non-radiometric, and visual video recording to memory card or streaming over USB and Wi-Fi			
Communication interfaces	Lightning (iOS) or USB-C	Wi-Fi		USB-C, Wi-Fi, Bluetooth®			USB-C, Wi-Fi, Bluetooth			USB-C, Wi-Fi, Bluetooth	USB-C, Wi-Fi, Bluetooth, LTE Cellular	USB-C, Wi-Fi, Bluetooth	USB-C, Wi-Fi, Bluetooth, LTE Cellular	USB-C, DisplayPort, Wi-Fi, and Bluetooth				USB 2.0, DisplayPort, Wi-Fi, and Bluetooth					USB Micro-B, HDMI	USB Micro-B, Wi-Fi, Bluetooth, HDMI			
Touchscreen	No			3.5 in (8.9 cm)			3.5 in (8.9 cm)			5 in (12.7 cm)				4 in (10.2 cm)				4 in (10.2 cm)								4.3 in (10.9 cm)	
Text, image sketch	No			Touch keyboard for text only			Touch keyboard for text only			App Dependent				Yes				Yes					No	Yes			
Voice annotation	No			No			No			App Dependent				Yes				Yes					No	Yes			

*not available with 6° 80°, or macro lenses
**Hot spot to center spot Delta measurement
Specifications subject to change. For the most up-to-date specifications, please visit Flir.com.
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.
©2025 Teledyne FLIR, LLC. All rights reserved. 102025_RH25-0769-INS