

# Keysight Technologies U5855A TrueIR Thermal Imager

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## Retool Your Expectations



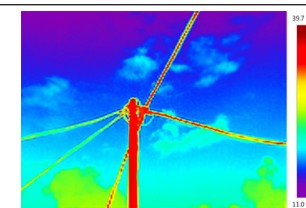
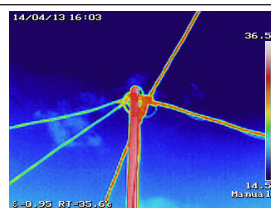
## TrueIR Thermal Imager

Series

- Four times more pixels with fine resolution capability
- View finer object details with 4x digital zoom
- Quick access buttons to easily change settings or functions
- Ergonomically designed with evenly distributed weight
- In-camera monitoring for temperature trending
- Ability to focus on objects, as close as 10 cm away

Items	True/R U5855A	FLIR E40	Fluke Ti125	Testo 875i -1
Basic imaging system	Detector resolution/iFOV (mrad)	160 x 120 (19,200 px)/3.1	160 x 120 (19,200 px)/2.72 ★	120 x 160 (19,200 px)/3.39 ★
	Fine resolution (IR)/iFOV (mrad)	320 x 240 (76,800 px)/2.1 ★	N/A	N/A
	Range/sensitivity (NETD) @ temp (°C)	-20 to 350/0.07 @ 30	-20 to 650/0.07 @ 30	-20 to 350/0.1 @ 30
		E40bx: -20 to 120/0.045 @ 30 <sup>1</sup>	TiR125: -20 to 150/0.08 @ 30 <sup>1</sup>	-20 to 350/0.05 @ 30 ★
	Focusing mechanism	Manual	Manual	Manual
	Minimum focus distance	10 cm <sup>2</sup> ★	20 cm	15 cm
	Visible camera	3.1 MP	3.1 MP	2 MP
	FOV (degree)/lens system	28 x 21/fixed	25 x 19/std 25°; Opt: 15° tele and 45° wide ★	22.5 x 31/fixed
Measurement and tools	Image modes	IR, visible, PIP, Fusion/blend	IR, visible, PIP, fusion, MSX	IR, visible, PIP, fusion, autoblend
				IR, visible, visual and IR image blending (TwinPix)
	Torch/laser	Torch/laser	Torch/laser	Torch/laser
	Digital zoom	4x ★	2x	N/A
	Color templates/scale	5 standard	6 standard	8 standard, 3 ultra contrast
	Isotherm/color alarm	Color alarm	Isotherm	Color alarm
General specifications	Measurements	Center, 3 spots, 3 boxes (with statistic), delta, max/min markers ★	3 spot, 3 box, delta	Center box, 3 spots, max/min markers
	Annotations/tagging	Note tag, + 3 photos tags	Text, voice	3 photo note, voice (60 sec)
	Records	Image, image logging ★	Images, MPEG4 video	Images, MPEG4 video
	IO/wireless	USB, video out (RCA)	USB, video out, WiFi/ <b>Bluetooth</b> ®, touch screen	USB
	Software	FREE download	Included	Included
	Weight	746 gm	825 gm	726 gm ★

Sample IR image



1. FLIR and Fluke have separate models for: Maintenance use (low NETD, higher range) and building diagnostics (high NETD, lower range)
2. 10 to 50 cm at half accuracy and ≥ 50 cm for full accuracy