Compare Fluke thermal imager models

	Expert Series Thermal Imagers			Professional Series Thermal Imagers			Performance Series Thermal Imagers								
	TiX560	**TiX520**	**TiX500**	**Ti450**	**Ti400**	**Ti300**	**TiS75**	**TiS65**	**TiS60**	**TiS55**	**TiS50**	**TiS45**	**TiS40**	**TiS20**	**TiS10**
IFOV (spatial resolution)	1.31 mRad					1.75 mRad	2.0 mRad	2.4 mRad		2.8 mRad		3.9 mRad		5.2 mRad	7.8 mRad
Detector resolution	320 x 240 (76,800 pixels) Super Resolution mode: 640 x 480 (307,200 pixels)			320 x 240 (76,800 pixels)		240 x 180 (43,200 pixels)	320 x 240 (76,800 pixels)	260 x 195 (50,700 pixels)		220 x 165 (36,300 pixels)		160 x 120 (19,200 pixels)		120 x 90 (10,800 pixels)	80 x 60 (4,800 pixels)
Field of view	24 °H x 17 °V						35.7 °H x 26.8 °V								
Distance to spot	753:1					565:1	504:1	409:1		346:1		252:1		189:1	126:1
Optional lenses	Capture spectacular images close up or from a distance with pre-calibrated smart optional lenses:Wide angle, 2x and 4x telephoto, 25 micron macro			Optional 2x and 4x telephoto and wide angle pre-calibrated smart lenses available			—								
Wireless connectivity	Fluke Connect® app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN[1]														
Focus System	MultiSharp™ Focus, LaserSharp® Auto Focus with built-in laser distance meter and advanced manual focus			LaserSharp® Auto Focus with built-in laser distance meter and advanced manual focus			Manual focus	Fixed focus	Manual focus	Fixed focus		Manual focus		Fixed focus	
IR-Fusion® technology/ visible context	AutoBlend™ mode and Picture-in-Picture, continuous blending	AutoBlend™ mode and Picture-in-Picture												AutoBlend™ mode	—
Display	5.7 inch touchscreen LCD, 640 x 480 pixel resolution			3.5 inch touchscreen LCD (landscape), 640 x 480 pixel resolution			3.5 inch (landscape) 320 x 240 LCD								
Design	Ergonomic FlexCam design with a 240 degree articulating lens			Rugged, ergonomic design for one-handed use			Rugged, lightweight, ergonomic design for one-handed use								
Thermal sensitivity	≤ 0.045 °C at 30 °C target temp (45 mK); Filter Mode (NETD improvement) ≤ 0.03 °C at 30 °C target temp (30 mK)	≤ 0.05 °C at 30 °C target temp (50 mK); Filter Mode (NETD improvement) ≤ 0.04 °C at 30 °C target temp (40 mK)	≤ 0.05 °C at 30 °C target temp (50 mK)	≤ 0.05 °C at 30 °C target temp (50 mK); Filter Mode (NETD improvement) ≤ 0.03 °C at 30 °C target temp (30 mK)	≤ 0.05 °C at 30 °C target temp (50 mK)		≤ 0.08 °C at 30 °C target temp (80 mK)					≤ 0.09 °C at 30 °C target temp (90 mK)		≤ 0.10 °C at 30 °C target temp (100 mK)	≤ 0.15 °C at 30 °C target temp (150 mK)
Temperature measurement range	-20 °C to +1200 °C (–4 °F to +2192 °F)	-20 °C to +850 °C (–4 °F to +1562 °F)	-20 °C to +650 °C (–4 °F to +1202 °F)	-20 °C to +1200 °C (–4 °F to +2192 °F)		-20 °C to +650 °C (–4 °F to +1202 °F)	-20 °C to +550 °C (–4 °F to +1022 °F)			-20 °C to + 450 °C (–4 °F to +842 °F)		-20 °C to +350 °C (–4 °F to +662 °F)		-20 °C to +250 °C (–4 °F to +482 °F)	
Frame rate	60 Hz or 9 Hz versions						30 Hz or 9 Hz versions		9 Hz	30 Hz or 9 Hz versions	9 Hz	30 Hz or 9 Hz versions		9 Hz	
Software	SmartView® software—full analysis and reporting software and Fluke Connect® system														
Voice annotation	60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset provided (where available)			60 seconds maximum recording time per image, reviewable playback on camera; optional bluetooth headset available but not required			60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset available separately (where available)							—	
Text annotation	Yes						—								
Video recording	Standard and radiometric									—					
Streaming video (remote display)	Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to SmartView® software on a PC; via WiFi hotspot to the Fluke Connect® app on a smartphone; or via HDMI to a TV monitor						Yes, to SmartView® software on a PC or to the Fluke Connect® app on a smartphone			—					
Remote control operation	Yes, through SmartView® software or Fluke Connect® mobile app[1]	—		Yes, through SmartView® software or Fluke Connect® mobile app[1]			—								
Alarms	High temperature, low temperature, and isotherms (within range)											High temperature, low temperature		—	
Warranty	Two-years (standard), extended warranties are available														