

Brand	GUIDE	FLIR
Model	PR410	K45
Rendering		
Detector Type	Focal plane array, uncooled microbolometer	Focal plane array, uncooled microbolometer
Spectral Range	7.5–14 μm	7.5–13 μm
Detector Type and Pitch	12μm	25 μm
Focal Length	1.9 mm (0.075 in.)	9 mm (0.35 in.)
f-number	1.1	1.25
IR Resolution	384× 288 pixels	240 × 180 pixels
NETD	<55 mK @ 30°C(86°F)	<40 mK @ 30°C (86°F)
IFOV	2.3mrad	3.6 mrad
Focus	Fixed	Fixed
Minimum Focus Distance	0.5 m to infinity(33 in. to infinity)	0.84 m to infinity (33 in. to infinity)
Optional lens (FOV)	50° ×37°	51° × 38°
Object Temperature Range	-40°C to 2000°C	-20°C to 650°C
Accuracy	±2°C (±7.2°F) or ±2%	±4°C (±7.2°F) or ±4% of reading, for ambient temperature 10 °C to 35°C (50°F to 95°F)
Measurement Presets	Center Point, Maximum Temperature, Minimum Temperature	/
Temperature Measurement Point	Center point	Center point
Image Modes	IR image, Basic fire-fighting mode, Black-and-white fire-fighting mode, Fire mode, Search-and-rescue mode, Heat detection mode	IR image, TI Basic fire-fighting mode, Black-and-white fire-fighting mode, Fire mode, Search-and-rescue mode, Heat detection mode
Image Frequency	60Hz	60 Hz
Color Palettes	IR image,Black Hot, Iron Red, Arctic, Hot Iron, Rainbow1, Lava, White Hot	/
Digital Zoom	1x, 2×, 4x, 8x	2× digital zoom
Recording Function	Capture photos and videos	/
Digital Camera	Optional Equipment, 5Mppixels,76° × 64°	NA
Display	4.3 in.LCD, 800 ×480 pixels	4 in. LCD, 320 × 240 pixels, backlit
Start Up Time	15 s	<17 s. (IR image, no GUI)
Storage Media	Internal flash memory, 128G, upto 20,000 images.	Internal flash memory, Up to 200 images
Battery type	Li ion	Li ion
Battery operating time	>4 hours at 25°C (77°F) ambient temperature and typical use	>5 hours at 25°C (77°F) ambient temperature and typical use
Battery Charging Time	2.5 h to 95% capacity, charging status indicated by LEDs	2 h to 85% capacity, charging status indicated by LEDs
Operating Temperature Range	-20°C to 50 °C, 80°C : 30 minutes, 150°C: 13 minutes, 260°C : 5 minutes	-20°C to 85°C (-4°F to 185°F) 150°C (302°F): 15 min. 260°C (500°F): 5 min.
Storage Temperature Range	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)
Flashlight	Optional Equipment	NA
Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)	NA
Bluetooth	NA	NA
USB	USB Type-C	USB Mini-B
HDMI	HDMI-Micro	NA
Laser Pointer	Optional Equipment	NA
Location	Supported, GPS and compass	NA
Tripod Mounting	UNC 1/4"-20	UNC ¼"-20 (adapter needed)
Safety	EN 61010-1	EN 61000-6-2:2005 (Immunity) EN 61000-6-3: 2011 (Emission) FCC 47 CFR Part 15 B (Emission)
Protection Level	IP 67 (IEC 60529)	IP 67 (IEC 60529)
Drop-testing	2 m(6.6 ft.) on concrete floor (IEC 60068-2-31)	2 m (6.6 ft.) on concrete floor (IEC 60068-2-31)
Vibration	2g IEC 60068-2-6	2 g (IEC 60068-2-6)
Shock	25 g, IEC 60068-2-27	25 g (IEC 60068-2-27)
Relative Humidity	IEC 60068-2-/6 48 h 95% relative humidity 25°C	95% relative humidity 25°C to 40°C (77°F to 104°F) non-condensing.
Weight	1.3 ±0.05 kg (2.4 ±0.1 lb.)	1.1 ±0.05 kg (2.4 ±0.1 lb.)
Size	296mmx122mmx153mm	120 × 125 × 280 mm (4.7 × 4.9 × 11 in.)
Compatible with software	GUIDE Thermotools	FLIR Tools®
Standard Accessories	charger ×1, lens cap ×1, aperture ×1, lithium battery ×3, power adapter ×1, plug ×1 (standard configuration by region), connecting cable ×1 (dual-head TYPE-C), TYPE-C to USB data cable ×1, Micro-HDMI cable, wrist strap ×1, retractable lanyard ×1, neck strap ×1, quick operation guide ×1, data download card ×1, certificate of conformity ×1.	Transport Case , Battery Charger, Cigarette Lighter Adapter Kit, In-truck charger, Kxx Battery pack Li-ion , USB cable, USB-A to USB Mini-B , Carabiner Strap, Lanyard Strap, Neck Strap , Retractable lanyard, Retractable Lanyard
Others	OTA update feature	
Material	PPSU Silicon rubber	PPSU Silicon rubber Aluminium, cast Flame-resistant magnesium alloy