



## Thermal Imaging Camera-TIS

### 20+MAX

URL: <https://www.sxplc.com/thermal-imaging-camera-tis-20-max>

## Product data sheet

### Key features

- Continuous touchscreen IR-Fusion™
- 5 hours battery life
- Can withstand drop up to 2 meter
- Water and dust resistant—IP54 enclosure rating
- Automatically organize and file thermal images with Fluke Connect™ Asset

### Tagging

- 120 x 90 infrared resolution

Infrared resolution	120 x 90 (10,800pixels)
IFOV (spatial resolution)	7.6 mRad, D:S 130:1
Field of view	50° H x 38° V
Minimum focus distance	50cm (20 inches)
Focus system	Fixed focus
Data transfer	Mini USB used to transfer image to PC
Wireless connectivity	Yes, (802.11 b/g/n (2.4 GHz))

Fluke Connect instant upload	Yes, connect your camera to your building's WiFi network (802.11 b/g/n (2.4 GHz)), and images taken automatically upload to the Fluke Connect system for storage and viewing on your PC
IR-Fusion technology	AutoBlend continuous 0 % to 100 %. Adds the context of the visible details to your infrared image
Display	3.5" LCD touchscreen (landscape)
Display resolution	320 x 240 LCD
Thermal sensitivity (NETD)	60 mK
Frame rate	9 Hz
Memory	Internal 4GB memory (includes slot for optional micro SD card up to 32GB)
Image capture, review, save mechanism	One-handed image capture, review, and save capability
Image file formats	Non-radiometric (jpeg), or fully radiometric (.is2); no analysis software required for non-radiometric (jpeg) files
Software	Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system
Export file formats with software	JPG, IS2
Batteries (field-replaceable, rechargeable)	Lithium ion smart battery pack with five-segment LED display to show charge level
Battery life	? 5 hours continuous (without WiFi)
Battery charging time	2.5 hours to full charge
Battery charging system	In-imager charging. Optional 12 V automotive charging adapter
AC operation	AC operation with included power supply (100 V AC to 240 V AC, 50/60 Hz)
Power saving	Automatic Shutdown: 5, 10, 15 and 20 minutes or never
Temperature measurement range (not calibrated below -10 °C)	TiS20+: -20 °C to 150 °C (-4°F to 302°F) TiS20+ MAX -20 °C to 400°C (-4°F to 752°F)
Accuracy	Target temp at or over 0 °C: Accuracy: ± 2 °C or ± 2 % at 25 °C, whichever is the greater.
On-screen emissivity correction	Yes, material table
On-screen reflected background temperature compensation	Yes
Center-point temperature	Yes
Spot temperature	Hot and cold spot markers
Standard palettes	6: Ironbow, Blue-Red, High Contrast, Amber, Hot Metal, Grayscale
Infrared spectral band	8 ?m to 14 ?m (long wave)
Operating temperature	-10 °C to 50 °C (14 °F to 122 °F)
Storage temperature	-20 °C to 50 °C without batteries
Relative humidity	95 % non-condensing
Safety	IEC 61010-1: Pollution Degree 2
Electromagnetic compatibility	EN 61326-1, CISPR 11: Group 1, Class A
US FCC	CFR, Part 15C
Vibration and shock	10 Hz to 150 Hz, 0.15 mm, IEC 60068-2-6; 30 g, 11 ms, IEC 60068-2-27
Drop	Engineered to withstand 2 meter drop

Size (H x W x L)	26.7 cm x 10.1 cm x 14.5 cm (10.5 in x 4.0 in x 5.7 in)
Weight	0.72 kg (1.6 lb)
Enclosure rating	IP54 (protected against dust, limited ingress; protection against water spray from all directions)
Warranty	Two-years (standard)
Supported languages	Czech, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, and Turkish

