

| | PTi120 | TiS20+/ Ti20+ MAX | TiS60+ | TiS55+ | TiS75+ | Ti300+ | Ti401 PRO | Ti480 PRO | TiX501 | TiX580 |
|--|--|--|---|-------------------------------------|-------------------------------|---|---|---|---|---|
| Key Features | | | | | | | | | | |
| Infrared Resolution | 120 × 90 (10,800 pixels) | 120 × 90 (10,800 pixels) | 320 × 240 (76,800 pixels) | 256 × 192 (49,152 pixels) | 384 × 288 (110,592 pixels) | 320 × 240 (76,800 pixels) | 640 × 480 (307,200 pixels) | | 640 × 480 (307,200 pixels) | |
| SuperResolution | - | | | | | | | Yes, in software. | - | Yes, in software. |
| Temperature Range | -20°C to 400°C (150°C for TiS20+) | | -20°C to 400°C | -20°C to 550°C | | -20°C to 650°C | | -20°C to 1,000°C | -20°C to 650°C | -20°C to 1,000°C |
| IFOV with Standard Lens (spatial resolution) | 7.6 mRad, D:S 130:1 | | 1.86 mRad, D:S 532:1 | 1.91 mRad | | 1.85 mRad, D:S 532:1 | 0.93 mRad, D:S 1065:1 | | 0.93 mRad, D:S 1065:1 | |
| Field of View | 50°H × 38°V | | 34.1°H × 25.6°V | 28°H × 20°V | 42°H × 30°V | 34°H × 24°V | | | 34°H × 24°V | |
| Minimum Focus Distance | 22.8 cm | 50 cm | 46 cm | 50 cm | | 15 cm | | | | |
| MultiSharp Focus | - | | | | | | | Yes, focused throughout the field of view | - | Yes, focused throughout the field of view |
| LaserSharp Auto Focus | Fixed Focus | | | Manual Focus | | Yes, for consistently in-focus images. Every. Single. Time | | | | |
| Laser Distance Meter | - | | | | | Yes, calculates distance to the target for precisely focused images and displays distance on screen | | | | |
| Advanced Manual Focus | Fixed Focus | | | Manual Focus | | Yes | | | | |
| Wireless Connectivity | Yes, to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN (where available) | | | | | | | | | |
| Fluke Connect® App Compatible | Yes*, connect your camera to your smartphone, and images taken automatically upload to the Fluke Connect® app for saving and sharing | | | | | | | | | |
| IR-Fusion Technology | AutoBlend continuous 0% to 100%. Adds the context of the visible details to your infrared image | | | | | | | | | |
| Battery Life | ≥ 2 hours continuous (without WiFi) | ≥ 5 hours continuous (without WiFi) | 4 hours continuous use per battery pack | 3.5 hours continuous (without Wifi) | | 2-3 hours continuous use per battery pack | 2-3 hours continuous use per battery pack | | 2-3 hours continuous use per battery pack | |
| Warranty | Two years (standard) | | | | | | | | | |