



| Model number | TI45FT |
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| Other Features | |
| Detector size | 160 x 120 |
| Detector type | Uncooled Microbolometer, Focal Plane Array |
| Field of View (FOV) | 23° horizontal x 17° vertical |
| Spatial Resolution (IFOV) | 2.60 mrad |
| Minimum Focus Distance | 0.15 m |
| Thermal Sensitivity (NETD) | ≤0.08 °C at 30 °C (80 mK) |
| Detector data acquisition/ ###Image frequency | 30 Hz or 7.5 Hz |
| Focus | SmartFocus manual |
| IR Digital Zoom | 2x |
| Spectral Band | 8 μm to 14 μm |
| Measurement modes | |
| Centerpoint | Yes |
| Center box (area, min/max, average) | Yes |
| User defined spots/boxes | Yes |
| Advanced on-board analysis functions | Yes |
| User defined field/text annotations | Yes |
| Voice annotation | No |
| Automatic hot and cold point detection | Yes |
| PdM routing (simple) | No |
| Image presentation | |
| Digital display | 5" High Resolution LCD |
| Video output | RS170 EIA/NTSC or CCIR/PAL composite video |
| Palettes | 8 |
| Optional lenses | |
| 54 mm Telephoto | Yes |
| 10.5 mm Wide angle lens | Yes |
| Image and data storage | |
| Storage medium | > 1000 images on compact flash card (512 MB) |
| On imager file formats | IS2 |
| File formats supported in software | BMP, JPG, GIF, PNG, TIF, WMF, DOC, PDF, XLS |
| Imager features | |
| Fully radiometric | Yes |
| Flash and torch light | Yes |
| Laser pointer | Yes |
| Windows CE based navigation menu | Yes |
| AutoCapture (Programable Image Capture) | Yes |
| 180° articulating lens | Yes |
| Software included | Yes (SmartView) |
| Environmental and mechanical design | |

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| Operating temperature | -10 to +50°C (14 °F to 122 °F) |
| Storage temperature | -40 to +70°C (-40 °F to 158 °F) |
| Relative humidity | 10% to 95% non-condensing |
| Water and dust resistant | IP54 |
| Weight (including batteries) | 1.95 kg (4.3 lb) |
| Camera size (HxWxD) | 162 x 262 x 101 mm (6.5 in x 10.5 in x 4.0 in) |
| Warranty | 2 years |
| Power | |
| Battery type | Li-ion rechargeable battery, field replaceable (2) |
| Battery operating time | 2 hours continuous |
| Battery re-charge time | 3 Hours |
| AC operation (110/220 VAC, 50/60 Hz) | Yes |
| Automatic shut down | Yes |
| Sleep mode | Yes |
| Applications | |
| In plant electrical | Yes |
| Electromechanical | Yes |
| Mechanical systems | Yes |
| Electronics | Yes |
| Other | Yes |
| IR-Fusion Technology | |
| IR-Fusion Technology | Yes |
| Full thermal | Yes |
| Full visual light | Yes |
| Auto Blending | Yes |
| Picture in Picture | Yes |
| Color Alarm | Yes |
| Temperature measurement | |
| Temperature range | -20 °C to 600 °C in 3 ranges (-4 °F to 1112 °F in 3 ranges) |
| Accuracy | ±2 °C or 2% whichever is greater |
| Emissivity correction | Yes |

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