

FLIR VS FLUKE

| Feature | Fluke Ti10 | FLIR i40 | Fluke TiR | FLIR b40 | Fluke Ti25 | FLIR i50 | FLIR i60 | Fluke TiR1 | FLIR b50 | FLIR b60 | Fluke Ti40 | FLIR T200 | FLUKE Ti32 | FLIR T300 | FLUKE TiR32 | FLIR B300 | |
|-----------------------|---|----------------------------------|---|----------------------------------|---|----------------------------------|----------------------------------|---|----------------------------------|----------------------------------|---|----------------------------------|------------------------------|--|--|--|--|
| List Price | \$4,495 | \$4,995 | \$4,495 | \$4,995 | \$7,495 | \$5,995 | \$7,995 | \$6,995 | \$5,995 | \$7,995 | \$9,490 | \$8,450 | \$8,995 | \$9,950 | \$8,995 | \$9,950 | |
| Array Size | 160 x 120 | 120x120 | 160 x 120 | 120x120 | 160 x 120 | 140x140 | 180x180 | 160 x 120 | 140x140 | 180x180 | 160 x120 | 200 x 150 | 320 x 240 | 320 x 240 | 320 x 240 | 320 x 240 | |
| Pixels | 19,200 | 14,400 | 19,200 | 14,400 | 19,200 | 19,600 | 32,400 | 19,200 | 19,600 | 32,400 | 19,200 | 30,000 | 76800 | 76800 | 76800 | 76800 | |
| NETD | <0.1 deg C | <0.1 deg C | <0.1 deg C | <0.1 deg C | <0.1 deg C | <0.1 deg C | <0.1 deg C | 0.07 deg C | 0.09 deg C | 0.07 deg C | 0.09°C | <0.1 deg C | .05 deg C | .05 deg C | .05 deg C | .05 deg C | |
| Temp Range | -20 - 250°C | -20°C to 350°C | -20 - 100°C | -20° C to 120° C | -20 - 350°C | -20°C to 350°C | -20°C to 350°C | -20 - 100°C | -20°C to120° C | -20°C to120° C | -20°C to 350°C | -20°C to 350°C | -20 to 600C | -20 to 650C (Optional 1200 C) | -20 to 600C | -20 to 650C (Optional 1200 C) | |
| Image format | Proprietary .is2 format or Non-Radiometric BMP | Non-Proprietary Radiometric JPEG | Proprietary .is2 format or Non-Radiometric BMP | Non-Proprietary Radiometric JPEG | Proprietary .is2 format or Non-Radiometric BMP | Non-Proprietary Radiometric JPEG | Non-Proprietary Radiometric JPEG | Proprietary .is2 format or Non-Radiometric BMP | Non-Proprietary Radiometric JPEG | Non-Proprietary Radiometric JPEG | Proprietary .is2 formator Non-Radiometric BMP | Non-Proprietary Radiometric JPEG | Proprietary or dead jpg, bmp | Non-Proprietary Radiometric JPEG | Proprietary or dead jpg, bmp | Non-Proprietary Radiometric JPEG | |
| Zoom | No | No | No | No | No | No | No | No | No | No | No | 2X | No | No | No | No | |
| Lens options | No | No | No | No | No | No | No | No | No | No | Yes | Yes | 11.5 deg, 46 deg | 45 deg, 15 deg, 2x, 4x, 90 deg | 11.5 deg, 46 deg | 45 deg, 15 deg, 2x, 4x, 90 deg | |
| Focus | Manual Only | Auto/Manual | Manual Only | Auto/Manual | Manual Only | Auto/Manual | Auto/Manual | Manual Only | Auto/Manual | Auto/Manual | Auto | Auto/Manual | Manual Only | Auto/Manual | Manual Only | Auto/Manual | |
| Video Output | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | No | Yes | n/a | n/a | n/a | n/a | |
| Display Size | 3.6 in | 3.5 in | 3.6 in | 3.5 in | 3.6 in | 3.5 in | 3.5 in | 3.6 in | 3.5 in | 3.5 in | 5.0 in | 3.5 in | 3.6 in | 3.5 in | 3.6 in | 3.5 in | |
| Touchscreen LCD | No | No | No | No | No | No | No | No | No | No | No | Yes | No | Yes | No | Yes | |
| Weight | 2.65 lbs. | 1.32 lbs. | 2.65 lbs. | 1.32 lbs. | 2.65 lbs. | 1.32 lbs. | 1.32 lbs. | 2.65 lbs. | 1.32 lbs. | 1.32 lbs. | 4.3 lbs | 1.9 lbs | 2.3lbs | 1.9lbs | 2.3lbs | 1.9lbs | |
| Analysis Tools | | | | | | | | | | | | | | | | | |
| Accuracy | ±5°C or 5% (whichever is greater) | +/- 2% of reading | ±5°C or 5% (whichever is greater) | +/- 2% of reading | +/- 2% or degrees of range | +/- 2% of reading | +/- 2% of reading | +/- 2% or degrees of range | +/- 2% of reading | +/- 2% of reading | +/- 2% of reading | +/- 2% of reading | +/- 2% of reading | ± 2 °C or 2 % (at 25 °C nominal, whichever is greater) | ± 2 °C or 2 % (at 25 °C nominal, whichever is greater) | ± 2 °C or 2 % (at 25 °C nominal, whichever is greater) | ± 2 °C or 2 % (at 25 °C nominal, whichever is greater) |
| Spot | 1 fixed | 1 fixed | 1 fixed | 1 fixed | 1 fixed | 1 fixed | 1 fixed | 1 fixed | 1 fixed | 1 fixed | 1 fixed / center | Spots, areas, | Center spot, | Spots, areas, | Center spot, | Spots, areas, | |
| Fusion | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| PIP | Yes (fixed) | Yes (fixed) | Yes (fixed) | Yes (fixed) | Yes (fixed) | Yes (3 sizes) | Yes (Scaleable) | Yes (fixed) | Yes (3 sizes) | Yes (Scaleable) | Yes | Yes | Yes (but only in | Yes | Yes (but only in | Yes | |
| Voice | No | No | No | No | Yes | No | No | Yes | No | No | No | No | Yes | Yes | Yes | Yes | |
| Insulation Alarm | No | No | No | Yes | No | No | No | No | No | No | No | No | No | No | No | Yes | |
| Dew Point Alarm | No | No | No | Yes | No | No | No | No | No | No | No | No | No | No | No | Yes | |
| ThermaTrak | No | Optional | No | Optional | No | Optional | Optional | No | Optional | Optional | No | Optional | No | Optional | No | Optional | |
| Visual Camera | | | | | | | | | | | | | | | | | |
| Visual | .3 megapixel | .6 megapixel | .3 megapixel | .6 megapixel | .3 megapixel | 2.3 megapixel | 2.3 megapixel | .3 megapixel | 2.3 megapixel | 2.3 megapixel | 1.3 megapixel | 1.3 megapixel | 2.0 Megapixel | 3.1 Megapixel | 2.0 Megapixel | 3.1 Megapixel | |
| Lamp | No | Yes | No | Yes | No | Yes | Yes | No | Yes | Yes | No | Yes | No | Yes | No | Yes | |
| Laser Pointer | No | No | No | No | No | Yes | Yes | No | Yes | Yes | No | Yes | No | Yes | No | Yes | |
| Power | | | | | | | | | | | | | | | | | |
| Battery | NiMH | Li-Ion | NiMH | Li-Ion | NiMH | Li-Ion | Li-Ion | NiMH | Li-Ion | Li-Ion | Li-Ion | Li-Ion | Li-Ion | Li-Ion | Li-Ion | Li-Ion | |
| Battery | <i>equipped w/ internal rechargeable battery pack that is not designed to be changed in the field</i> | Field Removable / Replacable | <i>equipped w/ internal rechargeable battery pack that is not designed to be changed in the field</i> | Field Removable / Replacable | <i>equipped w/ internal rechargeable battery pack that is not designed to be changed in the field</i> | Field Removable / Replacable | Field Removable / Replacable | <i>equipped w/ internal rechargeable battery pack that is not designed to be changed in the field</i> | Field Removable / Replacable | Field Removable / Replacable | Field Removable / Replacable | Field Removable / Replacable | Field Removable / Replacable | Field Removable / Replacable | Field Removable / Replacable | Field Removable / Replacable | |
| Upgrade"able" | No | No | No | No | No | Yes, to i60 | Yes, to i60 | No | Yes, to i60 | Yes, to i60 | No | | No | Yes | No | Yes | |