

| Items | | Specification |
|-------------|----------------------------------|--|
| | | TE-W300H |
| Detector | types | Uncooled focal plane microbolometer |
| | Pixel | 160×120 |
| | Cell spacing | 25μm |
| | Wavelength range | 8-14μm |
| | Sampling frequency | 50Hz |
| | Thermal sensitivity | 0.06℃@30℃ |
| Lens | Field of View | 25°×19° |
| | Nearest object distance | 10cm |
| | Focusing method | Manual focus |
| | Interface method | Bayonet connection |
| Performance | Spatial resolution | 2.72mrad |
| | Visible light camera | 1.3 million pixel CMOS module, built-in 2 LED fill light |
| | Frame rate | 50HZ / 60HZ, optional |
| | Video output | PAL / NTSC, optional |
| Image | LCD | 3.5 " TFT LCD, 640 × 480, color, with touch screen |
| | Color palette | 11 color palettes to choose from |
| | Image display | Infrared image and visible light image can be quickly switched, infrared image and visible light image are fused |
| | Image adjustment | Auto / manual adjustment of contrast, brightness, auto-enhancement mode |
| Measurement | Temperature measurement range | +20℃~+50℃ |
| | Temperature measurement accuracy | ±0.3℃ |
| | Temperature calibration | Auto (short time, long time, custom time) / manual |
| | Measurement mode | Full screen maximum temperature tracking, temperature alarm (sound, color) |

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| | Emissivity correction | Adjustable from 0.01 to 1.0 (in increments of 0.01) or select from a list of predefined materials |
| | Background temperature correction | automatic |
| | Atmospheric transmittance correction | Automatic, based on entered distance, ambient humidity and ambient temperature |
| | Setting function | Date / time, temperature unit $^{\circ}\text{C}$ / $^{\circ}\text{F}$ / K, language, contrast / brightness, LCD backlight, IP address |
| storage | Memory card | 8G Micro SD (TF) card, Max. 32G |
| | Storage method | Manual / automatic storage; single frame infrared image, infrared and visible light associated image, infrared and visible light fusion image; infrared video, infrared and visible light fusion video. |
| | Thermal image format | JPEG format with raw infrared measurement data |
| | Visible light image format | H.264 format |
| | Voice note | JPEG format, H.264 format, including fusion |
| | Text comment | 60 seconds (save with image) |
| | File Directory | Local selection and upload |
| Power supply | Battery type | Li-on battery, rechargeable |
| | Operation time | Continuous working for more than 4 hours (LCD brightness 50%, when LED lighting is off) |
| | Charging | Smart charger or random (AC power adapter or 12V car power supply) |
| | Charging duration | Random charging for 1.5 hours greater than 50% capacity |
| | Energy saving mode | Auto sleep, auto shut down |
| Interface | Memory card slot | Micro SD (TF) card holder |
| | Power interface | Yes (DC12V) |
| | Video output | Have |
| Others | microphone | Built-in |
| | buzzer | Built-in |

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| | Tripod thread | 1/4 " -20-UNC |
| | Handrail | Can be installed on both sides |
| | lens cap | Have |
| | Sunshade | Yes, optional |
| Environment parameters | Working temp. | 0℃~+40℃ |
| | Storage temp. | -40℃~+70℃ |
| | Humidity | ≤95% (Non-condensing) |
| | Protection grade | IP54 |
| | Shock resistance | 25G, IEC68-2-29 |
| | Vibration resistance | 2G, IEC68-2-6 |
| | Drop | 2m |
| Physical characteristics | Dimension | 105x230x245mm |
| | Weight | 980g |
| Black body Parameter | Temperature | 37℃ |
| | Accuracy | 0.2℃ |
| | effective radiation plane | Φ 80mm(HT40)、Φ 70mm (other model) |
| | Working temperature | 10~35℃, ≤80% RH |
| | Power | 220VAC 50Hz |
| | Effective emission | 0.96 |
| | Dimension | 249x173x191mm (HT40), 154x133x152mm(other model) |