



Product Data Sheet

Professional Thermal Imager



Effective 06/2020

Product Description:

Professional Thermal Imager. 2.8" TFT LCD Screen. Up to 113 DF. 160 x 120 pixel infrared resolution. Scan with minimal face to face interaction. Detect up to 3 ft away. 1/4th" tripod mounting hole.

Item ID Numbers: NCTIPFHF01

Specs:

Sensor:	UFPA
Temperature Range:	30° C – 45° C
Measurement Resolution:	0.1° C
Accuracy	±0.5° C (at 25° C ambient temperature)
Optimal measuring distance:	1 meter
Response Time:	≤ 500 ms
IR Resolution	19,200 pixels (160 x 120)
Pixel Size	12µm
Color Pallet	Iron, Rainbow, White Hot, Red Hot, Black Hot, Lava, Rainbow HC
Infrared spectral band	8µm ~ 14µm
Field of View (FOV)	56° (H) x 42° (V)
Spatial Resolution (IFOV)	6mrad
Thermal Sensitivity (NETD)	<50mK
Frame Rate	<9Hz
Temperature Measurement Display	Center point temperature, high temperature tracking (Default)
Image Format	BMP
Image Mode	Thermal, Digital (Visual Light Image), Fusion
Point temperature measurement	In addition to the center point, 3 points can be added.
Visual light camera	Yes

Visual light resolution	640 x 480 pixels
Image blending ratio	0% (pure visual light image), 25%, 50%, 75%, and 100% (pure infrared image)
PC software	Yes
Real-Time Image Transmission	Yes (real-time image projection through PC software)
Data transmission	Type-C USB interface
Product Size (L x W x H)	236mm x 75.5mm x 86mm
Display Type	2.8" TFT LCD
Display Resolution	320 x 240 pixels
Battery	3.7V/5,000mAh rechargeable Li-ion battery
Auto-Power off	5 minutes, 10 minutes, 30 minutes, off (default: 30 minutes)
Battery Life	≥ 6 hours (disconnected)
Charging Time	≤ 5 hours
Charging Voltage/Current	5V/2A
Image Storage	Micro SD card
Transportation/Storage environment	-20° C ~ 60° C (-4° F ~ 140° F), < 85% RH (non-condensing)
Operating environment	15° C ~ 30° C (59° F ~ 86° F), < 85% RH (non-condensing)
Operating altitude	≤ 2000 m
Standard accessories	User Manual, USB-C cable, 16GB Micro SD card
Certifications	-CE (EN 61326-1:2013, EN 61326-2:2013, EN 61326-2-3) -RoHS

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