



Unit:mm [Inch]

KEY FEATURES

- NETD ≤ 40 mK
- Temperature range : $-20^{\circ}\text{C} \sim 400^{\circ}\text{C}$
- Temperature Accuracy : $\pm 2^{\circ}\text{C}$, $\pm 2\%$
- LNES FOV $37.2^{\circ} \times 50^{\circ}$
- Temperature Distance : 0.3M \sim 3M
- Compact size and low consumption

SPECIFICATIONS

Thermal Module PXL-TM120	
Image Sensor	VOx Uncooled Focal Plane Arrays
Resolution	160x120
Frame Rate	25 Hz
Pixel Interval	17 μm
Response Waveband	8 μm to 14 μm
NETD	≤ 40 mK
Lens (Focal Length)	3.2mm
Field of View	$37.2^{\circ} \times 50^{\circ}$ (H \times V)

Temperature Measurement	
Temperature Range	$- 20^{\circ}\text{C}$ to 400°C
Temperature Accuracy	$\pm 2^{\circ}\text{C}$, $\pm 2\%$
Temperature Distance	0.3m to 3m
Thermography Rule	3 temperature measurement rule types, 21 rules (10 points, 10 regions, and 1 line)
Data Output	32 bit Temperature Data

Image Display	
Contrast Adjustment	YES
Brightness Adjustment	YES
Palettes	15 Palettes of Color Adjustable, Default White Hot
FFC Mode	Auto, Manual, External Correction (Flat Field Correction)
DPC	YES
DDE	YES

General	
Hardware Interface	1, Type-C interface; 1, 6 pin USB interface
Power	5VDC
Power Consumption	≤ 0.65 W
Work Temperature/Humidity	$- 20^{\circ}\text{C}$ to 50°C / 5% to 85%
Dimension	35 mm x 28 mm x 19.6 mm
Weight	35g