

CT-EI5ATC

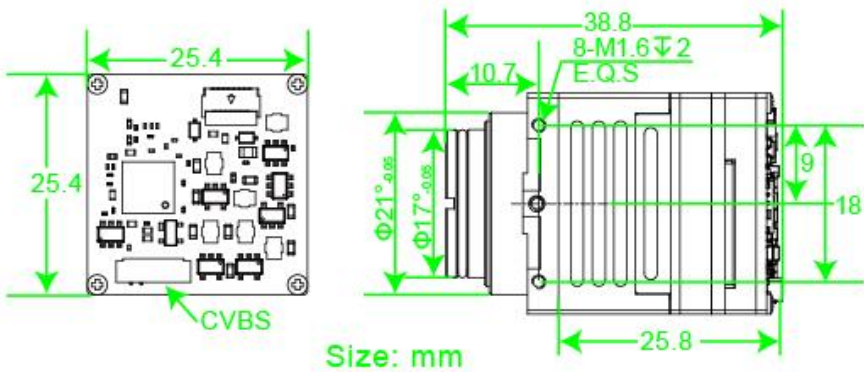
Infrared Thermal Imaging Module



FEATURES

- Small volume, Lightweight, Low power consumption(SWap)
- High-sensitivity ceramic packaged infrared detector, NETD≤30mK
- NUC/3DNR/DNS/DDE/A new image overlay algorithm delivers clearer and sharper images
- Standard CVBS video output interface
- Operate stably in complex environments

DIMENSION



5V IN
USB-DM
USB-DP
DGND
UART-RX
UART-TX
DGND
VIDEO OUT

SPECIFICATIONS

CT-EI5ATC

Detector Type	Uncooled Vanadium Oxide
Package Type	Ceramic packaged
Resolution	640*512
Pixel Pitch	12μm
Spectral range	8-14μm
NETD	≤30mK@25℃
Frame Rate	25fps
Video Standard	PAL
Lens	9.1mm
FOV	46°*37°
Power-on Time	≤15s
False Color Imaging	Supports 13 false color modes (White hot/Black/Iron Red)
Image Algorithm Type	NUC/3DNR/DNS/DDE
Video Out	CVBS / UVC
Communication Method	UART / USB
Operating Voltage Range	DC3.9 ~ 5.5V (Typical DC5V)
Power Consumption	≤1.2W
Dimensions	25.4mm*25.4mm*38.8mm (Include 9.1mm Lens)
Weight	40g (Include 9.1mm Lens)
Operating Temperature	-40℃ ~ 60℃
Storage Temperature	-45℃ ~ 65℃