

THERMAL EXPERT™

Mobile Infrared Camera (TE-M1) 240 x 180 pixel, 17µm pitch



6.8 mm Lens (default)
Thermal Expert

Description

• High performance

- High resolution : 240 x 180 (17µm pitch)
- High sensitivity : ≤ 50 mK @ f/1.0, ≤ 80 mK @ f/1.3

THERMAL EXPERT™ for Android

- Color palettes (12 color maps)
- Storage images (IR, visible with snapshot and video)
- Digital zooming
- Image view with visible (50:50, Twin, Overlay, Floating)
- Temperature Measurement (Alarm, Min/Max, Point/Line/Rectangle/Circle profile)
- Report (Generate pdf report)
- Level Span function(High Definition)



Level Span

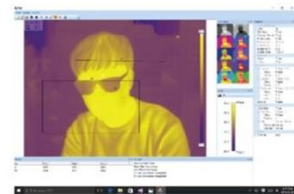


Features

- Temperature measurement for whole pixels
- Convenient image view functions with infrared and visible
- Easy graphical user interface (digital zooming, color palette...)
- Interchangeable Lens

THERMAL EXPERT™ for Windows

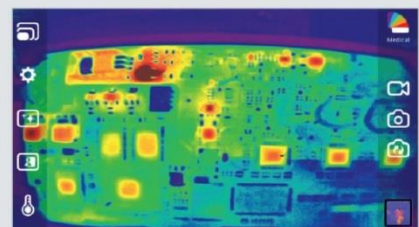
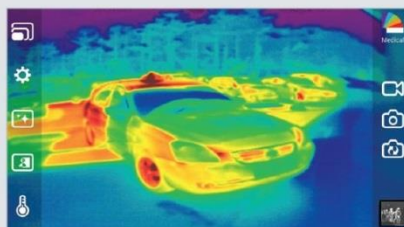
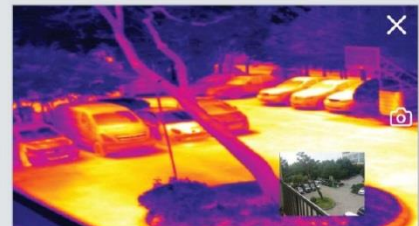
- Realtime Analysis Tool
- Check the temperature anywhere in picture using mark of Dot, Line, Square
- Alarm with sound by user's setting temperature degree
- Save and Load infrared Image with Mark
- Saving the movie with Mark is being implemented
- AIE Program(Adaptive Image Enhancement)



Window PC program

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Image from the THERMAL EXPERT™



Key Specification

Array format	240 x 180
Pixel pitch	17 μ m
Wavelength band	8 ~ 14 μ m (Longwave Infrared)
Sensitivity	\leq 50mK@F/1, 300K
	\leq 80mK@F/1.3, 300K
Frame rate	< 9 Hz (< 30Hz option)
Scene range temperature	-10 to +150°C (-20 to +350°C option)
Operating temperature	-10 °C ~ 50°C
Power consumption	\leq 500 mW
Weight	< 27g (with lens)
Dimension (W x H x D)	47 mm x 25 mm x 16 mm (Without Lens)
Interface	Micro USB
Platform	Android, Windows
Type of lens	6.8mm f/1.3
	13mm f/1.0
FOV[°]	Wide FOV (default) : 34.8°(H) x 26.1°(V) - 43.5° (diagonal)
	Narrow FOV (option) : 17.9°(H) x 13.4°(V) - 22.4° (diagonal)
Focus range	Wide FOV : 0.2m to infinity with 0.19mm refocus
	Narrow FOV : 0.4m to infinity with 0.39mm refocus

Product Dimension



Range Performance (DRI)



Reseller and Distributor Contact Europe: