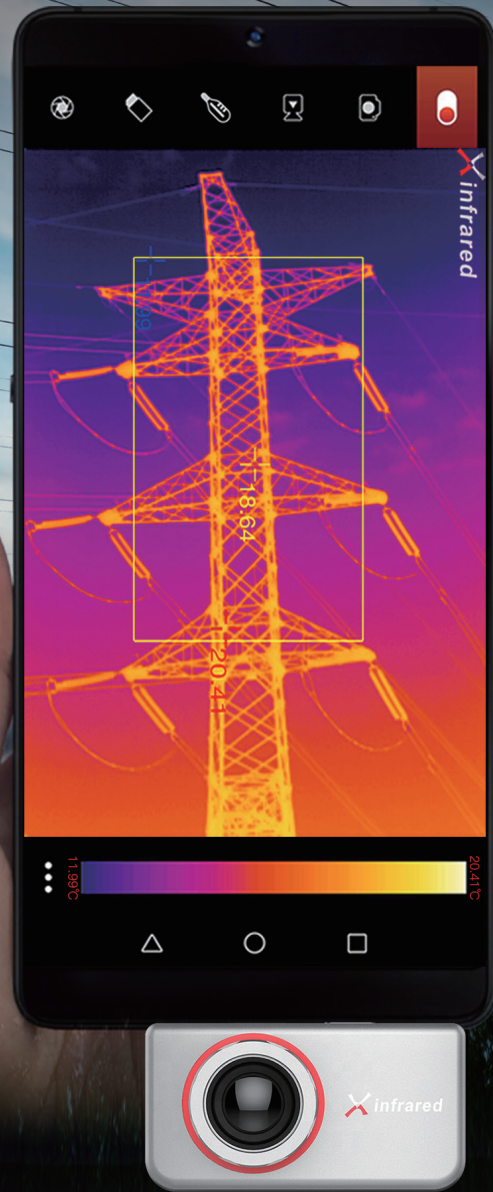# Clearest Thermal Camera
for Smartphone

6 Core Technologies

384×288
Detector, Ultra Clear Image

110，000
Full Frame temperature Data

MATRIXⅢ
Patented Image Algorithm
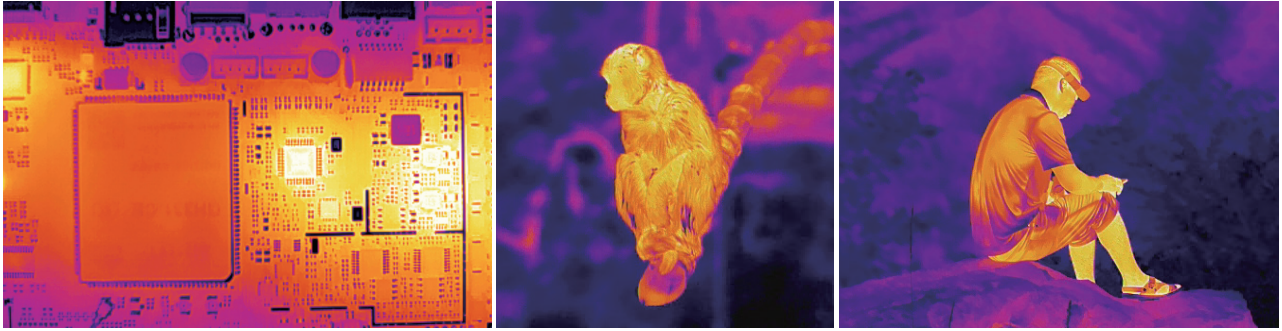
25Hz
Frame Rate, Dynamic Measuring

13mm Long focal length
1.0 Aperture, Alloy Lens

Alloy Body
Strong and Durable

Main technical parameters

Product	Xtherm T3S	Xtherm T3Pro
Resolution	384x288	
Pixel Size	17μm	
Spectral Band	8~14μm	
Lens	13mm	
Focusing Mode	Manual	
Image Frame Rate	25Hz	
NETD	≤50mk	
MRTD	≤500mK	
Operating Temperature	-20℃~+ 50℃	
Measuring Range	-20℃~+120℃	-20℃~+400℃
Accuracy	±3℃	±2℃ or ±2% of reading, the greater shall prevail
Temperature Correction	Manual/Automatic	
Power Consumption	< 500mW	
Weight (with lens)	<40g	
Dimension (with lens)	49.5mmx26mmx27.5mm	
Shell	Alloy body	
Software		
Image Enhancement	Digital detail enhancement (DDE)	
Image Correction	Manual	
Palette	White-hot/black-hot/iron-red/rainbow/high contrast rainbow/iron-grey	
Secondary Development	Provide SDK	
Temperature Statistics	Support high /low/central point temperature display, and point/ line/area analysis, statistics	Support high /low/central point temperature display, and point/ line/area analysis, statistics, and report
Video Saving	Support the functions of photographing and video saving	
Software Update	Support online software update	

*Support mainstream smartphone systems, but some systems have not been tested yet

About Us

InfiRay®, leading manufacturer of uncooled IRFPA

On April 28th, 2021, InfiRay released world's 1st 8μm infrared detector. InfiRay's main products include infrared detectors, thermal imaging modules, night vision thermal cameras, and thermographic cameras for temperature measurement.

IRay Technology Co., Ltd.

Tel: 400-998-3088
Web: www.iraytek .com
E-mail: sales@iraytek.com