



NDN ul. Janowskiego 15 02-784 Warszawa www.ndn.com.pl e-mail: ndn@ndn.com.pl tel.: (22) 641-15-47

Your First Step to

Professional Thermography



Accurate Temperature Measurement

Precision at your fingertips – Perfect focus for flawless temperature readings.

- Manual focus, ensures concise measurement at all distances.
- 49° wide angle shot, to always see the big picture. Help you infer the root of the thermal anomaly.
- 40mk thermal sensitivity, unveil subtle flaws. No damp spot ever escapes your sight.

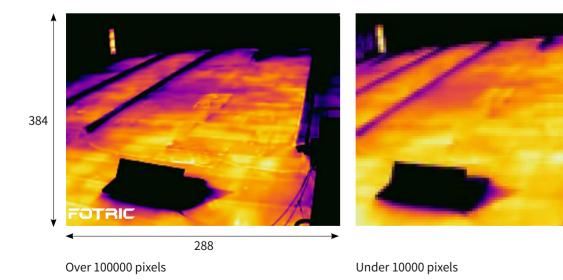


40mk thermal sensitivity reveal every anomaly

Superior Image Quality

Image quality is more about aesthetics, but directly impacts the quality of your presentation.

- 384*288 thermal pixels, presenting your findings with unprecedented clarity.
- Super resolution, boost the performance to expert level.
- T-DEF® Blend 0~100% adjustable transparency. Select the best way present your finding.
- Touch span to highlight the anomaly against the environment.





Robust and Intuitive Design

A perfect combination of ruggedness ingenuity.

- Function shortcut button, tailor what the camera does to what you need.
- Spacious 3.5" LCD touch screen that enable both screen and button operation.
- 8MP industrial grade digital camera, enables flawless inspection result presentation.
- Dust and water resistant (IP54), made for durability and industrial adaptability.

Unparallel Response Speed

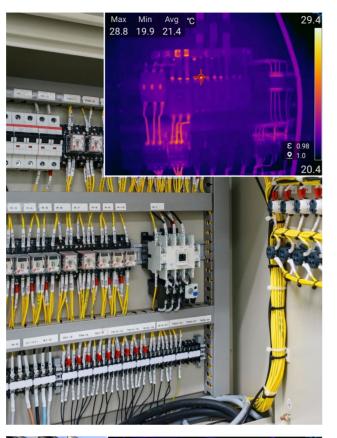
Your thermal camera should never slow you down. It's all about user experience.

- Powered by Android, it flows as smoothly as your smartphone.
- Fluent remote control with every operation system (Windows, MacOS, Android, IOS), so you can access your work from everywhere.

FOTRIC TK Series | Industrial Grade Thermal Camera | FOTRIC TK Series

Applications









Specifications

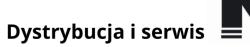
Thermal Resolution Super Resolution(SR) In Detector Type Uncooled FPA infrared detector Thermal Sensitivity (NETD) Detector Pitch Thermal Support Thermal		TK8	TK7
Super Resolution(SR) Support IR Detector Type Uncooled FPA Infrared detector Thermal Sensitivity (NETD) 40mk(0.04° C)(86° F) Detector Pitch 17µm Spectral Range 8-14µm Frame Rate 30Hz Field of View (FOV) 25° *19° 49° *37° IFOV 1.14 mrad 2.23 mrad Minimum Focus Distance 0.15m 0.4m Focal Length 1.5mm 8mm Focus Mode Manual focus Focus free Digital Zoom 1-8xx, continuous Temperature Analysis Complete Temperature Range -20-550°C (-4-1022 °F) Temperature Range -20-120°C (-4-248 °F), 0-550°C (32-1022 °F), Intelligent range. Measurement Accuracy ± 2°C (3.6°F) or ± 2%, whichever is greater (ambient temperature at 15-35° C(59-95 °F)). Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation	Core Parameters		
R Detector Type	Thermal Resolution	384*	7288
Thermal Sensitivity (NETD) 40mk(0.04° C)(86 °F) Detector Pitch 17μm Spectral Range 8-14μm Frame Rate 30Hz Field of View (FOV) 25° *19° 49° *37° IFOV 1.14 mrad 2.23 mrad Minimum Focus Distance 0.15m 0.4m Focal Length 15mm 8mm Focus Mode Manual focus Focus free Digital Zoom 1-8x, continuous Temperature Analysis Complete Temperature Range -20-550°C (4-1022 °F) Temperature Range -20-120°C (4-248 °F), 0-550°C (32-1022 °F), Intelligent range. Measurement Accuracy ± 2°C (3.6 °F) or ± 2%, whichever is greater (ambient temperature at 15-35° C(59-95 °F)). Spot: 6; Line: 3; Line: 3; Rectangle/Circle: 4 Measurement Tools Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity No Device Analysis	Super Resolution(SR)	Sup	port
Detector Pitch 17μm Spectral Range 8-14μm Frame Rate 30Hz Field of View (FOV) 25°*19° 49°*37° IFOV 1.14 mrad 2.23 mrad Minimum Focus Distance 0.15m 0.4m Focal Length 15mm 8mm Focus Mode Manual focus Focus free Digital Zoom 1-8x, continuous Emperature Analysis Complete Temperature Analysis Complete Temperature Range 4-20-120°C (4-248 °F), 0-550°C (32-1022 °F), Intelligent range. Measurement Accuracy ± 2°C (3.6 °F) or ± 2%, whichever is greater (ambient temperature at 15-35° C(59-95 °F)). Measurement Tools Spot: 6 ; Line: 3 ; Rectangle/Circle: 4 Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support Poltata T/Temperature Rise Support On bevice Analysis Support PC Software Analyzl Image Display Support Display Scre	IR Detector Type	Uncooled FPA ir	nfrared detector
Spectral Range Frame Rate Frame Rate Field of View (FOV) 1.14 mrad 2.23 mrad Minimum Focus Distance Focal Length Focal Length Focus Mode Manual focus Digital Zoom 1-8x, continuous Temperature Analysis Complete Temperature Range -20-550°C (.4-1022 °F) Range Reasurement Accuracy ± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15-35° C(59-95 °F)). Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Bolta T/Temperature Rise On Device Analysis PC Software AnalyziR Image Display Display Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF® Blend Palette 8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Color Alarm Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% −100% T-TWB® Tempetrature visual representation normalization option	Thermal Sensitivity (NETD)	40mk(0.04° C)(86 °F)	
Frame Rate Field of View (FOV) 1.14 mrad 2.23 mrad Minimum Focus Distance 0.15m 0.4m Focal Length Focus Mode Manual focus Digital Zoom 1-8x, continuous Temperature Analysis Complete Temperature Range -20-550°C (4-1022 °F) Temperature Range 4: 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15-35° C(59-95 °F)). Measurement Tools Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support On Device Analysis CO on Device Analysis PC Software Mange Display Display Screen Image Mode Thermal image, Visible light, Picture in Picture & T-DEF® Blend Palette Ringe Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Mindow Compensation New GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Mindow Compensation New GreyRed, Rain, GlowBow, Medical, Prism New GreyRed, Rain, GlowBow, Medical, Prism New Hound Touch2° C (3.6 °F) Mange Display Display Screen Auton3° C (5.4 °F), Manual and Touch2° C (3.6 °F) Minimum Temperature Span Auto3° C (5.4 °F), Manual and Touch2° C (3.6 °F) T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Detector Pitch	17μm	
Field of View (FOV) 1.14 mrad 2.23 mrad Minimum Focus Distance 0.15m 0.4m Focus Hength 15mm 8mm Focus Mode Manual focus 1-8x, continuous Temperature Analysis Complete Temperature Range -20-550°C (4-1022 °F) Temperature Range -20-120°C (4-248 °F), 0-550°C (32-1022 °F), Intelligent range. Measurement Accuracy # ± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15-35° C(59-95 °F)). Ressurement Tools Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support ROI Alarm Support On Device Analysis PC Software Manage Display Display Screen Image Mode Thermal image, Visible light, Picture in Picture & T-DEF® Blend Palette 8: Grey, Iron. Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Mindmum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Temperature Range Adjustable transparency 0% -100% T-DEF® Adjustable transparency 0% -100% T-TIWB® Tempetrature visual representation normalization option	Spectral Range	8-14µm	
IFOV 1.14 mrad 2.23 mrad Minimum Focus Distance 0.15m 0.4m Focal Length 15mm 8mm Focus Mode Manual focus Focus free Digital Zoom 1-8x, continuous Temperature Analysis Complete Temperature Range -20~120°C (-4~248 °F), 0~550°C (24~1022 °F), Intelligent range. Measurement Accuracy ± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15~35° C(59~95 °F)). Measurement Tools \$ Spot! 6; 1 kine! 3; Rectangle/Circle: 4 Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity \$ Support ROI Alarm \$ Support Delta T/Temperature Rise \$ Support On Device Analysis \$ Support On-device Radiometric Image Analysis PC Software \$ AnalyzIR Image Display Display Screen \$ 3.5 inch Touch Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF® Blend Palette 8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes \$ Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm \$ Support <th>Frame Rate</th> <th>30</th> <th>Hz</th>	Frame Rate	30	Hz
Minimum Focus Distance 0.15m 0.4m Focal Length 15mm 8mm Focus Mode Manual focus Focus free Digital Zoom 1-8x, continuous Temperature Analysis Complete Temperature Range -20-550°C (-4-1022 °F). Intelligent range. Measurement Accuracy ± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15-35° C(59-95 °F)). Measurement Tools Spot: 6 ; Line: 3 ; Rectangle/Circle: 4 Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support ROI Alarm Support Delta T/Temperature Rise Support On Device Analysis Support On-device Radiometric Image Analysis PC Software AnalyzIR Image Display Display Screen 3.5 inch Touch Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF® Blend Palette 8: Grey. Iron. Rainbow. GreyRed. Rain. GlowBow. Medical. Prism Inverted Palettes Support Minimum Temperature Span Auto:3° C (5	Field of View (FOV)	25° *19°	49° *37°
Focal Length 15mm 8mm Focus Mode Manual focus Focus free Digital Zoom 1-8x, continuous Temperature Analysis Complete Temperature Range -20~550°C (-4~1022 °F) Temperature Range -20~120°C (-4~248 °F), 0~550°C (32~1022 °F), Intelligent range. Measurement Accuracy ± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15~35° C(59~95 °F)). Measurement Tools Femissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support Pol Idarm Support Delta T/Temperature Rise Support On Device Analysis Support On-device Radiometric Image Analysis PC Software AnalyziR Image Display Display Screen 3.5 inch Touch Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF® Blend Palette 8: Grey. Iron. Rainbow. GreyRed. Rain. GlowBow. Medical. Prism Inverted Palettes Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing Automatic recognition and tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	IFOV	1.14 mrad	2.23 mrad
Focus Mode Digital Zoom 1-8x, continuous Temperature Analysis Complete Temperature Range -20~550°C (-4~1022 °F) Temperature Range -20~120°C (-4~248 °F), 0~550°C (32~1022 °F), Intelligent range. Measurement Accuracy ± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15~35° C(59~95 °F)). Measurement Tools Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support Poleta T/Temperature Rise On Device Analysis Support On-device Radiometric Image Analysis PC Software AnalyzIR Image Display Display Screen 3.5 inch Touch Screen Image Mode Thermal image, Visible light, Picture in Picture & T-DEF® Blend Palette 8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Minimum Temperature Span Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Minimum Focus Distance	0.15m	0.4m
Temperature Analysis Complete Temperature Range Complete Temperature Range -20~120°C (-4~248 °F), 0~550°C (32~1022 °F), Intelligent range. Measurement Accuracy ± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15~35° C(59~95 °F)). Measurement Tools Measurement Parameters Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support ROI Alarm Support On Device Analysis PC Software AnalyzIR Image Display Display Screen 1.5. inch Touch Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF® Blend Palette 8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing Automatic recognition and tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Focal Length	15mm	8mm
Temperature Analysis Complete Temperature Range -20~120°C (-4~248 °F), 0~550°C (32~1022 °F), Intelligent range. Measurement Accuracy ± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15~35° C(59~95 °F)). Measurement Tools Line: 3; Rectangle/Circle: 4 Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support ROI Alarm Support Delta T/Temperature Rise On Device Analysis Support On-device Radiometric Image Analysis PC Software AnalyzIR Image Display Display Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF* Blend Palette 8: Grey. Iron. Rainbow. GreyRed. Rain. GlowBow. Medical. Prism Inverted Palettes Minimum Temperature Span Color Alarm Support Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing Automatic recognition and tracing T-DEF* Adjustable transparency 0% ~100% T-TWB* Temperature visual representation normalization option	Focus Mode	Manual focus	Focus free
Complete Temperature Range -20~550°C (-4~1022 °F) Temperature Range -20~120°C (-4~248 °F), 0~550°C (32~1022 °F), Intelligent range. Measurement Accuracy ± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15~35° C(59~95 °F)). Measurement Tools Line: 3; Rectangle/Circle: 4 Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support ROI Alarm Support Delta T/Temperature Rise On Device Analysis Support On-device Radiometric Image Analysis PC Software AnalyzIR Image Display Display Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF® Blend Palette 8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing Automatic recognition and tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Digital Zoom	1-8x, continuous	
Range Temperature Range -20-120°C (-4-248 °F), 0-550°C (32-1022 °F), Intelligent range. Measurement Accuracy ± 2°C (3.6 °F) or ± 2%, whichever is greater (ambient temperature at 15-35° C(59-95 °F)). Spot: 6; Line: 3; Rectangle/Circle: 4 Measurement Tools Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support ROI Alarm Support On Device Analysis Support On-device Radiometric Image Analysis PC Software AnalyzIR Image Display Display Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF® Blend Palette 8: Grey. Iron. Rainbow. GreyRed. Rain. GlowBow. Medical. Prism Inverted Palettes Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% ~100% Tempetrature visual representation normalization option	Temperature Analysis		
Measurement Accuracy ± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15–35° C (59~95 °F)). Measurement Tools Spot: 6; Line: 3; Rectangle/Circle: 4 Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support ROI Alarm Support Delta T/Temperature Rise Support On Device Analysis Support On-device Radiometric Image Analysis PC Software AnalyzIR Image Display Image Display Display Screen 3.5 inch Touch Screen Image Mode Thermal image, Visible light, Picture in Picture & T-DEF® Blend Palette 8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing Automatic recognition and tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option		-20~550°C (-4~1022 °F)	
Measurement Tools Spot: 6; Line: 3; Rectangle/Circle: 4 Measurement Parameters Partial Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support ROI Alarm Support Delta T/Temperature Rise On Device Analysis Support On-device Radiometric Image Analysis PC Software AnalyzIR Image Display Display Screen 13.5 inch Touch Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF® Blend Palette 8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% ~100% Tempetrature visual representation normalization option	Temperature Range	-20~120°C (-4~248 °F),0~550°C (32~1022 °F), Intelligent range.	
Measurement ToolsLine: 3; Rectangle/Circle: 4Measurement ParametersEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivitySupportROI AlarmSupportDelta T/Temperature RiseSupportOn Device AnalysisSupport On-device Radiometric Image AnalysisPC SoftwareAnalyzIRImage DisplayDisplay Screen3.5 inch Touch ScreenImage ModeThermal image, Visible light, Picture in Picture & T-DEF* BlendPalette8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesSupportMinimum Temperature SpanAuto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F)Color AlarmSupportImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF*Adjustable transparency 0% ~100%T-DEF*Adjustable transparency 0% ~100%T-TWB*Tempetrature visual representation normalization option	Measurement Accuracy	\pm 2°C (3.6 °F) or \pm 2 %, whichever is greater $$ (ambient temperature at 15~35° C(59~95 °F)).	
Partial Emissivity ROI Alarm Support Belta T/Temperature Rise On Device Analysis PC Software Image Display Display Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF® Blend Palette Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Measurement Tools	Line: 3;	
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Delta T/Temperature Rise On Device Analysis Support On-device Radiometric Image Analysis PC Software AnalyzIR Image Display Display Screen Image Mode Thermal image. Visible light. Picture in Picture & T-DEF® Blend Palette 8: Grey. Iron. Rainbow. GreyRed. Rain. GlowBow. Medical. Prism Inverted Palettes Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% ~100% T-TTWB® Tempetrature visual representation normalization option	Partial Emissivity	Support	
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PC Software Image Display Display Screen Image Mode Thermal image、Visible light、Picture in Picture & T-DEF® Blend Palette 8: Grey、Iron、Rainbow、GreyRed、Rain、GlowBow、Medical、Prism Inverted Palettes Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Delta T/Temperature Rise	Support	
Image Display Display Screen 3.5 inch Touch Screen Image Mode Thermal image、 Visible light、 Picture in Picture & T-DEF® Blend Palette 8: Grey、 Iron、 Rainbow、 GreyRed、 Rain、 GlowBow、 Medical、 Prism Inverted Palettes Support Minimum Temperature Span Auto:3° C (5.4°F), Manual and Touch:2° C (3.6°F) Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing Automatic recognition and tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	On Device Analysis	Support On-device Radiometric Image Analysis	
Display Screen Image Mode Thermal image, Visible light, Picture in Picture & T-DEF® Blend Palette 8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Support Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	PC Software	AnalyzIR	
Image Mode Thermal image、Visible light、Picture in Picture & T-DEF® Blend 8: Grey、Iron、Rainbow、GreyRed、Rain、GlowBow、Medical、Prism Inverted Palettes Support Minimum Temperature Span Auto:3° C (5.4°F), Manual and Touch:2° C (3.6°F) Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Image Display		
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Inverted Palettes Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Image Mode	Thermal image、Visible light、Picture in Picture & T-DEF® Blend	
Minimum Temperature Span Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F) Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option		8: Grey、Iron、Rainbow、GreyRed、Rain、GlowBow、Medical、Prism	
Color Alarm Support Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing Automatic recognition and tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Inverted Palettes	Support	
Image Overlay Max, min, avg temperature and measurement parameters Hot and Cold Spot Tracing Automatic recognition and tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Minimum Temperature Span	Auto:3° C (5.4 °F), Manual and Touch:2° C (3.6 °F)	
Hot and Cold Spot Tracing T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option	Color Alarm	Support	
T-DEF® Adjustable transparency 0% ~100% T-TWB® Tempetrature visual representation normalization option		Max, min, avg temperature and measurement parameters	
T-TWB® Tempetrature visual representation normalization option	Hot and Cold Spot Tracing	Automatic recognition and tracing	
	T-DEF®	Adjustable transparency 0% ~100%	
PIP Moveable and Resizable	T-TWB®		
	PIP	Moveable and Resizable	

Specifications

Capture Functions		
Digital Camera	8 MP industrial camera	
Storage Card	TF card, 32GB, expandable to 128GB	
Single frame capture	Support	
Image Format	JPEG	
Video Format	MP4	
Freeze Image	Support	
QR Code	Support	
Voice Annotation	Support (120 seconds)	
Text Annotation	Support	
Tags	Support	
Favorite	Support (filter favorite files)	
MP4 Recording	Support	
Gallery	Support viewing, editing and deleting existing files	
Data Connection		
WiFi	Support 2.4GHz&5GH channel,Support 802.11a/b/g/n/ac	
Bluetooth	Support	
USB	USB Type-C type; USB 3.0 / 2.0 compliant, Support USB OTG	
НОМІ	Micro HDMI type,HDMI 1.4 compliant,Support 1080P imaging video streaming in 60Hz.	
Remote Access	Support	
Remote Control	Mobile and PC webpage access via IRExplorer.	
Auxiliary Features		
Software and Firmware Upgrade	TF card upgrade	
Laser	Level 2; wavelength: 635nm; Power: <1mW	
LED Flash Lamp	Support, serves as lamp and flash light	
Power System		
Battery	Rechargeable Li-ion, 3.6V, 5000mAh	
Battery Operation Time	≥ 4 hours	
Charging Methods	Support battery dock adaptor and Type-C interface (compatible with cell phone charger).	
Battery Charging Time	3.5 hours to full-charge by battery dock. 2.5 hours to full-charge by connect to camera.	
Energy Save	Auto Screen-off	
External Power Source	Type-C connect to PC or Power adaptor (5V, 3A)	
Reliability and Certificates		
Safety	SELV relay (IEC60950-1)	
EMC Compatibility	IEC 61000-4-2	
Enclosure Rating	IP54	
Drop	2m(IEC 60068-2-32)	
Shock	25g(IEC 60068-2-27)	
Vibration	2g(IEC 60068-2-6)	
RoHS Compliant	Yes	

Specifications

Physical Parameters		
Operation Temperature	-20~50°C (-4~122 °F)	
Storage Temperature	-40~70°C (-40~158 °F) without battery	
Relative Humidity	<95%RH	
Dimension (mm)	243*95*142mm	
Weight (include battery)	0.8kg	
Battery Weight	0.15kg	
Casing Material	Hard Plastic :PC+ABS,Soft Rubber:TPE	
Mounting Method	Support UNC 1/4-20 interface connecting tripod	
Warranty		
Warranty	2 years	
Recommended Calibration Cycle	2 years	
Language		
Supported Language	English, Spanish, French, Korean, Traditional Chinese, Italian, German, Portuguese, Thai	
Configurations		
Standard Configuration	FOTRIC handheld thermal camera,documentations(certificate of quality, certificate of calibration, warranty card, packing list), user manual, USB-Type C cable, TF card TF card reader, power adaptor, 2 piece of battery.	



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Innovation Excellence Integrity

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Dystrybucja i serwis

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