

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.

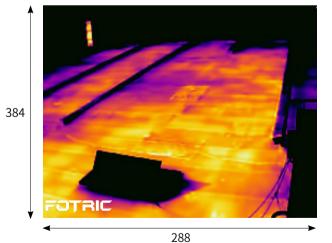


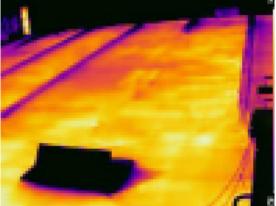
40mk thermal sensitivity reveal every anomaly

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[®] Fusion 0~100% adjustable transparency. Select the best way present your finding.
- Touch span to highlight the anomaly against the environment.





Over 100000 pixels

Under 10000 pixels



Robust and Intuitive Design

A perfect combination of ruggedness ingenuity.

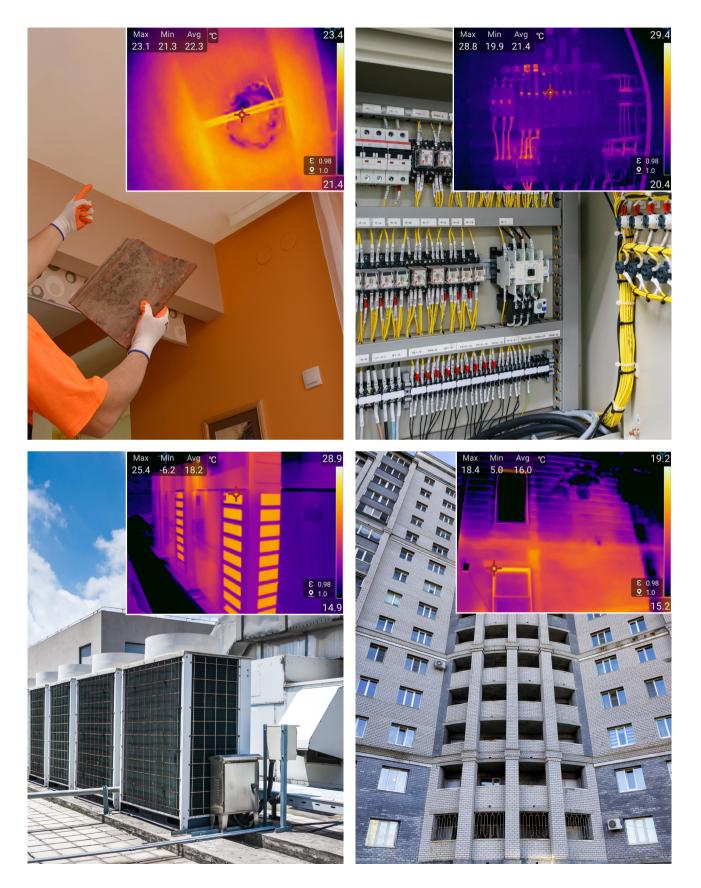
- Function shortcut button, tailor what the camera does to what you need.
- Spacious 3.5" LCD touch screen that enable both screen and button operation.
- 8MP industrial grade digital camera, enables flawless inspection result presentation.
- Dust and water resistant (IP54), made for durability and industrial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

Applications



Specifications

Core Parameters Thermal Resolution (SR) Support Super Resolution (SR) Support IR Detector Type Uncooled PR infrared detector Thermal Sensitivity (NETD) 40mk(0.04° C) Detector Pitch 17µm Spectral Range 7.14µm Frane Rate 30/2 Field of View (FOV) 25° * 19° 49° * 37° IFOV 1.14 mrad 2.23 mrad Minimum Focus Distance 0.1 m 0.5 m Focus Mode Manual focus Focus Free Digital Zoom 1-8x, continuous Temperature Range -20° C - 350° C Temperature Range -20° C - 350° C Temperature Range -20° C - 350° C Temperature Range -20° C - 350° C Consent temperature) Specie 6 ; Resurement Accuracy ±2° C or 2%, whichever is greater (at 15° C-35° C ambient temperature) Resurement Tools Specie 7 ; C Resurement Tools Specie 7 ; G Roll Alarm Support Support Rol Alarm Support 0- device Radiometrici		TK8	TK7
Super Resolution(SR)Support SupportIR Detector TypeUncooled FPA infrared detectorIR Detector TypeUncooled FPA infrared detectorThermal Sensitivity (NETD)40mk(0.4° C)Detector Pitch17µmSpectral Range0.17µmFrane Rate30HzField of View (FOV)25° 1'9°IFOV0.114 mradIfOV0.114 mradIfonumber (Focal length)17.5Froutser (Focal length)17.5Froutser (Focal length)7.5Immer Range-0.5 mDigital Zoon0.5 mTemperature Range-20° C - 30° CTemperature Range-20° C - 30° CMeasurement Accuracy±2° C or 2%, whichever is greater (at 15° C-35° C ambient temperature)Special InsistivitySupport C - 35° CResurement ToolsSupport C - 35° C - 35° CResurement ParametersSupport C - 35° C - 35° CRotating INCLINGESupport C - 35° C - 35° CResurement ParametersSupport C - 35° C - 35° CRotating INCLINGESupport C - 35° CRotating INCLINGESupport C - 35° CRotating INCLINGESupport C - 35° CInterest ParametersSupport C - 35° CRotating INCLINGESupport C - 35° CRotating INCLINGESupport C - 35° CRotating INCLINGESupport C - 35° CInterest Parameters <th>Core Parameters</th> <th></th> <th></th>	Core Parameters		
IR Detector Type Unccoled FPAi intervent detector Thermal Sensitivity (NETD) 40mk(0.04° C) Detector Pitch 1/Jum Spectral Range 7:4µm Frame Rate 2.23 mrad Field of View (FOV) 0.1 m IFOV 0.1 m IFOV 0.1 m Frame Rate 0.5 m Frame Rate 0.1 m Focus Mode 0.5 m Focus Mode 0.5 m Focus Mode 0.5 m Bigital Zoom 0.20° C > 30° C Bigital Zoom 2.00° C > 30° C Resurement Range -20° C > 10° C > 0° C > 30° C Measurement Accuracy ±2° C or 2%, whichever is greater (at 15° C - 35° C ambient temperature) Resurement Tools Speci 6 ; Line: 3 ; Rectangle/Circle: 4 Resurement Tools Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Nol Alarm Support On-device Radius Poteix Analysis Support On-device Radius Poteix Aritemerature Rise Support On-device Radius <	Thermal Resolution	384	*288
Thermal Sensitivity (NETD) 40mk(0.04° C) Detector Pitch 17µm Spectral Range 7.14µm Frame Rate 0 Frame Rate 0.1 Field of View (FOV) 25° 19° IFOV 1.14 mrad Minimum Focus Distance 0.1 m Frame Rate 0.5 m Focus Mode 0.1 m Focus Mode Manual focus Temperature Range -20° C - 350° C Temperature Range -20° C - 120° C, 0° C - 350° C Temperature Range -20° C - 120° C, 0° C - 350° C Measurement Accuracy ±2° C or 2%, whichever is greater (at 15° C - 35° C ambient temperature) Spectre 6; ; Itne: 3; Rectangle/Circle: 4 Measurement Tools Emissivity, Ambient Temp, Parital Emissivity, Reflected Femp, Relative Humidity, Distance, IR No Lair Support Delta 7/Temperature Range Support Delta 7/Temperature Range Support Partial Emissivity Support Partial Emissivity Support Delta 7/Temperature Range Support Do letia 7/Temperature Rise Support Portial Emissivity Support Portial Emissivity Support Do letia 7/Emperature Rise <	Super Resolution(SR)	Support	
Detector PitchInspace of the second sec	IR Detector Type	Uncooled FPA ii	nfrared detector
Spectral Range T-14µm Frame Rate 30Hz Field of View (FOV) 25°*19° 49°*37° IFOV 0.1.14 mrad 2.23 mrad Minimum Focus Distance 0.1 m 0.5 m F-number (Focal length) fr.5 fr.5 Focus Mode Manual focus Focus free Digital Zoom 1-8x, continuous Focus free Temperature Analysis -20° C - 350° C Free Temperature Range -20° C - 350° C Free Measurement Accuracy ±2° C or 2%, whichever is greater (at 15° C S° C showner) Free Measurement Tools Spott 6 ; Line: 3 ; Rectangle/Circle: 4 Free Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support Support Rotangle/Circle: 4 Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support Ton-device RadiveTre Image Analysis Polta T/Temperature Rise Support Support Not-device RadiveTre Image Analysis Polsplay	Thermal Sensitivity (NETD)	40mk(0.04° C)	
Frame RateGField of View (FOV)25°*19°49°*37°IFOV0.1.24 mrad2.23 mradIFOV0.1.14 mrad2.23 mradMinimum Focus Distance0.1 m0.5 mf-number (Focal length)fr.5fr.5Focus ModeManual focusFocus ModeDigital Zoom6.0.1 m0.5 mTemperature AnalysisTemperature Range-20°C - 350° CTemperature Range-20°C - 350° CSport 6 ; Line : 3 ; Rectange/Circle: 4Measurement Accuracy±2°C or 2%, whichever is greater (at 15°C 35° C ambient temperature)Measurement ToolsSport 6 ; Line : 3 ; Rectange/Circle: 4Measurement ParametersEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivitySupportDelta T/Temperature RiseSupport On-device Radiowertric Image AnalysisPC SoftwareSupport On-device Radiowertric Image AnalysisPC SoftwareSinch Tourkeite Image. Visible light.Pisplay ScreenSinch Tourkeite Image. Nisible light.Image ModeThermal image. Visible light.Inverted PalettesSupportNorter AlarySupportMinimum Temperature SpanAutomatic recognition and tracingImage OverlayAutomatic recognition and tracingFibre AlaysisSupportPaletteSinch Tourke* Cols CurvePaletteSinch Tourke* CurvePaletteSinch Tourke* Curve </th <th>Detector Pitch</th> <th colspan="2"></th>	Detector Pitch		
Teled of View (FOV) 25° ° 19° 49° ° 37° IFOV (1.14 mrad) 2.23 mrad Minimum Focus Distance 0.1 m 0.5 m f-number (Focal length) f.7.5 f.7.5 Focus Mode Manual focus Focus free Digital Zoom 0 Temperature Analysis Temperature Range -20° C ~ 350° C Temperature Range -20° C ~ 350° C Measurement Accuracy ±2° C or 2%, whichever is greater (at 15° C ~ 35° C ambient temperature) Measurement Tools Specirie 3; Rectangle/Circle: 4 Measurement Parameters Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window compensation. Partial Emissivity Support Rol Alarm Support Support On Device Analysis Gasuremont On-device Radiometric Image Analysis PC Software Sinch Tourk Screen Image Mode Sterpy, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Inverted Palettes Si Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Image Mode Sterpy, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, Prism Image Overlay <t< th=""><th>Spectral Range</th><th colspan="2">7-14µm</th></t<>	Spectral Range	7-14µm	
IFOV1.14 mrad2.23 mradMinimum Focus Distance0.1 m0.5 mFnumber (Focal length)fr.5fr.5Focus ModeManual focusFocus freeDigital ZoomG1-8x, cours freeDigital ZoomG-20° C - 30° CTemperature Range-20° C - 120° C , ° C - 350° CMeasurement Accuracy±2° C or 2%, whichever is great rat 15° C - C35° C ambient temperature)Measurement ToolsSpot: 6 ; Lline: 3 ; Rectangle/Circle: 4Measurement ParametersEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivityGOn Device AnalysisSupport On-device Radiometric Image AnalysisPC SoftwareSupport On-device Radiometric Image AnalysisPC SoftwareS: Grey, Iron, Rainbow, Grey Ret Image AnalysisPatetteS: Grey, Iron, Rainbow, Grey Ret Image AnalysisInverde PalettesS: Grey, Iron, Rainbow, Grey Ret Image AnalysisIndeg OverlayAcutomatic rec:Inimum Temperature SpanAcutomatic rec:Image OverlayMax, min, avg temperature ameasurement parametersInde Cold Spot TracingAcutomatic rec:Hot and Cold Spot TracingAcutomatic rec:T-DEF*Acidi gatable transprese	Frame Rate	30Hz	
Minimum Focus Distance0.1 m0.5 mFnumber (Focal length)F7.5F7.5Fnocus ModeManual focusFocus freeDigital Zoom	Field of View (FOV)	25° *19°	49° *37°
fnumber (Focal length)f7.5f7.5Focus ModeManual focusFocus freeDigital ZoomGCOUSFocus freeDigital ZoomGCOUSFocus freeImage Image	IFOV	1.14 mrad	2.23 mrad
Focus ModeManual focusFocus freeDigital ZoomI-8x, continuousTemperature AnalysisTemperature Range-20° C ~ 350° CTemperature Range-20° C ~ 120° C, 0° C ~ 350° CMeasurement Accuracy±2° C or 2%, whichever is greater (at 15° C-35° C ambient temperature)Measurement Tools£2° C or 2%, whichever is greater (at 15° C-35° C ambient temperature)Measurement ParametersEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivitySupportRol AlarmSupportOn Device AnalysisSupport On-device Radiometric Image AnalysisPC SoftwareAnalyzIRImage DisplaySupport on device Radiometric Image AnalysisPC SoftwareSibinel Term, Rainage, Visible light, Picture in Picture & T-DEF*Palette8: Grey, Iron, Rainbow, GregRed, Rain, GlowBow, Medical, PrismInverted PalettesSupportMinimum Temperature SpanAuto:3° C, Manu I and Touch:2° CColor AlarmGatutomatic recognition and tracingImage OverlayAutomatic recognition and tracingHot and Cold Spot TracingAutomatic recognition and tracingT-DEF*Adjustable transparency 0% ~100%	Minimum Focus Distance	0.1 m	0.5 m
Digital Zoom 1-8x, continuous Temperature Range -20°C - 350°C Temperature Range -20°C - 120°C, 0°C - 350°C Measurement Accuracy ±2°C or 2%, whichever is greater (at 15°C - 35°C ambient temperature) Measurement Accuracy ±2°C or 2%, whichever is greater (at 15°C - 35°C ambient temperature) 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 Emissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation. Partial Emissivity Support Rol Alarm Support On Device Analysis Support On-device Radiometric Image Analysis PC Software AnalyziR Image Display Termerature Rise Display Screen 3.5 inch Touch Screen Image Overlay Auto:3° C, Manual and Touch:2° C Color Alarm Support Inverted Palettes Support Image Overlay Max, min, ang temperature and measurement parameters Hot and Cold Spot Tracing Automatic recognition and tracing	f-number (Focal length)	f7.5	f7.5
Temperature AnalysisTemperature Range-20°C ~ 350°CTemperature Range-20°C ~ 120°C, 0°C ~ 350°CMeasurement Accuracy±2°C or 2%, whichever is greater (at 15°C ~ 35°C ambient temperature)Measurement ToolsSpot: 6; Line: 3; Retangle/Circle: 4Measurement ParametersEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivitySupportRol AlarmSupportOn Device AnalysisSupport On-device Radiometric Image AnalysisPC SoftwareAnalyzIRImage DisplaySupportDisplay Screen3.5 inch Touch ScreenImage ModeThermal image, Visible light, Picture in Picture & T-DEF*Patette%: Grey, Iron, Rainbow, GregRed, Rain, GlowBow, Medical, PrismInverted PalettesSupportInage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingTemperature visual representation normalization option	Focus Mode	Manual focus	Focus free
Temperature Range-20°C ~ 350°CTemperature Range-20°C ~ 120°C, 0°C ~ 350°CMeasurement Accuracy±2°C or 2%, whichever is greater (at 15°C ~ 35°C ambient temperature)Measurement ToolsSpot: 6 ; Line: 3 ; Rectangle/Circle: 4Measurement ParametersEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivitySupportRol AlarmGOn Device AnalysisSupport On-device Radiometric Image AnalysisPC SoftwareAnalyzIRImage DisplaySupportPatette8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesSupportMinimum Temperature SpanAuto:3°C, Manual and Touch:2°CColor AlarmSupportInverted PalettesSupportMinimum Temperature SpanAuto:3°C, Manual and Touch:2°CColor AlarmGImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% -100%	Digital Zoom	1-8x, continuous	
Temperature Range-20°C - 120°C, 0°C - 350°CMeasurement Accuracy±2°C or 2%, whichever is greater (at 15°C - 35°C ambient temperature)Measurement ToolsSpot: 6; Line: 3; Rectangle/Circle: 4Measurement ParametersEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivityGeneration SupportPolta T/Temperature RiseSupportOn Device AnalysisSupport On-device Radiometric Image AnalysisPC SoftwareGeneration SupportDisplay Screen3.5 inch Touch ScreenImage ModeThermal image. Visible light. Picture in Picture & T-DEF®Palette8: Grey. Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesSupportMinimum Temperature SpanAutomatic recognition and tracingInage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingFee Adjustable transparency 0% ~100%T-TWB®Tempetrature visual representation normalization option	Temperature Analysis		
Measurement Accuracy±2°C or 2%, whichever is greater (at 15°C-35°C ambient temperature)Measurement Tools£1°C or 2%, whichever is greater (at 15°C-35°C ambient temperature)Measurement ToolsEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivityEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivityGovernment ParametersPottal Triemperature RiseSupportOn Device AnalysisGovernment ParametersPotSoftwareGovernment ParametersDisplay ScreenS: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesS: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesGovernment ParametersMinimum Temperature SpanAuto:3°C, Manual and Touch:2°CColor AlarmGovernlagImage OverlagAutomatic recognition and tracingHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%THWB®Tempetrature visual representation normalization option	Temperature Range	-20 ° C ~ 350° C	
Measurement ToolsSpot: 6 ; Line: 3 ; Rectangle/Circle: 4Measurement ParametersEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivityGenerationPartial EmissivityGenerationRol AlarmGenerationDelta T/Temperature RiseSupportOn Device AnalysisGenerationPC SoftwareGenerationDisplay Screen3.5 inch Touch ScreenImage ModeThermal image. Visible light. Picture in Picture & T-DEF*Palette8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesGenerationColor AlarmGenerationImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF*Adjustable transparency 0% ~100%T-TWB*Tempetrature visual representation normalization option	Temperature Range	-20 ° C ~ 120° C, 0 ° C ~ 350° C	
Measurement ToolsLine: 3 ; Rectangle/Circle: 4Measurement ParametersEmissivity, Ambient Temp, Partial Emissivity, Reflected Temp, Relative Humidity, Distance, IR Window Compensation.Partial EmissivityGPartial EmissivitySupportRol AlarmGDelta T/Temperature RiseSupport On-device Radiometric Image AnalysisOn Device AnalysisGPC SoftwareGDisplay ScreenS.5 inch Touch ScreenImage ModeThermal image, Visible light, Picture in Picture & T-DEF*PaletteSt Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesGColor AlarmGMinimum Temperature SpanAuto:3° C, Manual and Touch:2° CColor AlarmGHot and Cold Spot TracingAutomatic recognition and tracingHot and Cold Spot TracingAutomatic recognition normalization option	Measurement Accuracy	$\pm 2^{\circ}$ C or 2% , whichever is greater (at 15 $^{\circ}$ C~35 $^{\circ}$ C ambient temperature)	
Measurement ParametersWindow Compensation.Partial EmissivitySupportROI AlarmSupportDelta T/Temperature RiseSupport On-device Radiometric Image AnalysisPC SoftwareOn Device AnalysisPC SoftwareContext Context	Measurement Tools	Line: 3;	
ROI AlarmSupportDelta T/Temperature RiseSupport On-device Radiometric Image AnalysisOn Device AnalysisSupport On-device Radiometric Image AnalysisPC SoftwareAnalyzIRImage DisplayTotal AnalyzIRDisplay ScreenStipport On-ScreenImage ModeThermal image, Visible light, Picture in Picture & T-DEF®PaletteSt Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesSupportVoltard Minimum Temperature SpaAuto:3° C, Manual and Touch:2° CColor AlarmSupportImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%	Measurement Parameters		
Delta T/Temperature RiseSupportDelta T/Temperature RiseSupport On-device Radiometric Image AnalysisPC SoftwareAnalyzIRImage DisplayAnalyzIRDisplay Screen3.5 inch Touch ScreenImage ModeThermal image, Visible light, Picture in Picture & T-DEF*Palette8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesSupportMinimum Temperature SpanAuto:3° C, Manual and Touch:2° CColor AlarmSupportImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF*Adjustable transparency 0% ~100%	Partial Emissivity	Support	
On Device AnalysisSupport On-device Radiometric Image AnalysisPC SoftwareAnalyzIRImage DisplayImage ModeImage ModeS.5 inch Touch ScreenImage ModeThermal image, Visible light, Picture in Picture & T-DEF®Palette8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesGold Aluto:3° C, Manual and Touch:2° CColor AlarmMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%T-TWB®Tempetrature visual representation normalization option	ROI Alarm	Support	
PC SoftwareAnalyzIRImage DisplayDisplay Screen3.5 inch Touch ScreenImage ModeThermal image. Visible light. Picture in Picture & T-DEF*Palette8: Grey. Iron. Rainbow. GreyRed. Rain. GlowBow. Medical. PrismInverted PalettesSupportMinimum Temperature SpanAuto:3° C , Manual and Touch:2° CColor AlarmSupportImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF*Adjustable transparency 0% ~100%T-TWB*Tempetrature visual representation normalization option	Delta T/Temperature Rise	Support	
Image DisplayDisplay Screen3.5 inch Touch ScreenImage ModeThermal image, Visible light, Picture in Picture & T-DEF®Palette8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesSupportMinimum Temperature SpanAuto:3° C, Manual and Touch:2° CColor AlarmSupportImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%T-TWB®Tempetrature visual representation normalization option	On Device Analysis	Support On-device Radiometric Image Analysis	
Display Screen3.5 inch Touch ScreenImage ModeThermal image, Visible light, Picture in Picture & T-DEF®Palette8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesGetteeMinimum Temperature SpanAuto:3° C, Manual and Touch:2° CColor AlarmMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%T-TWB®Tempetrature visual representation normalization option	PC Software	AnalyzIR	
Image ModeThermal image. Visible light. Picture in Picture & T-DEF®Palette8: Grey. Iron. Rainbow. GreyRed. Rain. GlowBow. Medical. PrismInverted PalettesSupportMinimum Temperature SpanAuto:3° C , Manual and Touch:2° CColor AlarmMax, min, avg temperature and measurement parametersImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%T-TWB®Tempetrature visual representation normalization option	Image Display		
Palette8: Grey, Iron, Rainbow, GreyRed, Rain, GlowBow, Medical, PrismInverted PalettesSupportMinimum Temperature SpanAuto:3° C , Manual and Touch:2° CColor AlarmSupportImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%T-TWB®Tempetrature visual representation normalization option	Display Screen	3.5 inch Touch Screen	
Inverted PalettesSupportMinimum Temperature SpanAuto:3° C , Manual and Touch:2° CColor AlarmSupportImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%T-TWB®Tempetrature visual representation normalization option	Image Mode	Thermal image、Visible light	t、Picture in Picture & T-DEF®
Minimum Temperature SpanAuto:3° C , Manual and Touch:2° CColor AlarmSupportImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%T-TWB®Tempetrature visual representation normalization option	Palette	8: Grey、Iron、Rainbow、GreyRed	、Rain、GlowBow、Medical、Prism
Color AlarmSupportImage OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%T-TWB®Tempetrature visual representation normalization option	Inverted Palettes	Support	
Image OverlayMax, min, avg temperature and measurement parametersHot and Cold Spot TracingAutomatic recognition and tracingT-DEF®Adjustable transparency 0% ~100%T-TWB®Tempetrature visual representation normalization option	Minimum Temperature Span	Auto:3° C , Manual and Touch:2° C	
Hot and Cold Spot TracingAutomatic recognition and tracingT-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	Image Overlay	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®	Tempetrature visual representation normalization option	
	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	
HDMI	Micro HDMI type,HDMI 1.4 compliant,Support 1080P imaging video streaming in 60Hz.	
Remote Access	Support	
Remote Control		
Mobile Access	Via Irexplorer	
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 (GB 4943.1/IEC60950-1)	
EMC Compatibility	GB/T17626.2/IEC 61000-4-2	
Enclosure Rating	IP54	
Drop	2m(GB/T 2423.8/IEC 60068-2-32)	
Shock	25g(GB/T 2423.5/IEC 60068-2-27)	
Vibration	2g(GB/T 2423.10/IEC 60068-2-6)	
RoHS Compliant	Yes	

Specifications

Physical Parameters		
Operation Temperature	-20° C to 50° C	
Storage Temperature	-40° C to 70° C,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, Korean, Italian, Germany, Portuguese, Traditional Chinese	
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.	

Innovation Excellence Integrity

FOTRIC INC. All Rights reserved April 2024

www.fotric.com

