

IRtech TImage **320F** Series

Termocamera Professionale Portatile Compatta



- Campi Temperatura da -20°C fino a 550°C
- Risoluzione termica fino 320x240 (30Hz)
Risoluzione immagini fino 640x480
- Sensibilità Termica NETD 0,04 / 0,06 °C
- Ampio Display LCD Touch da 3,5"
- Facile da usare: autorange, hotspot, aree
- Fuoco fisso da 0,5mt all'infinito con puntatore Laser
- FotoCamera Visibile da 8MP con Flash/Led
- Tecnologia Mix/PictureInPicture (IR con Visibile)
- Memorizzazione Video e Immagini Radiometriche su memory card TF 64 Gb
- Annotazione Vocale integrata, testo e QR code
- Interfaccia USB-C 3.0, Bluetooth, Wifi e HDMI
- Software Reporting Avanzato per Windows
- Pacchetto Batterie Ricaricabile LiION sostituibili in campo con caricabatterie interno/esterno
- Leggera (730gr) e Robusta IP54, test caduta 2mt

Pronta all'Uso

**Strumento ideale
per la manutenzione
meccanica, elettrica, edilizia**

Professionale | Prezzo competitivo | Affidabile

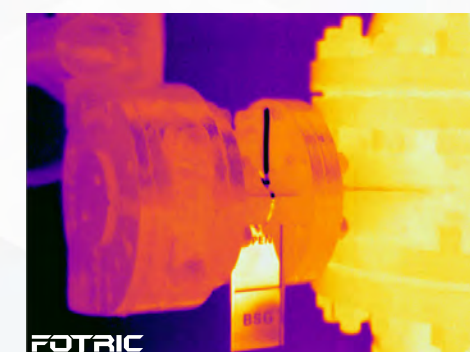
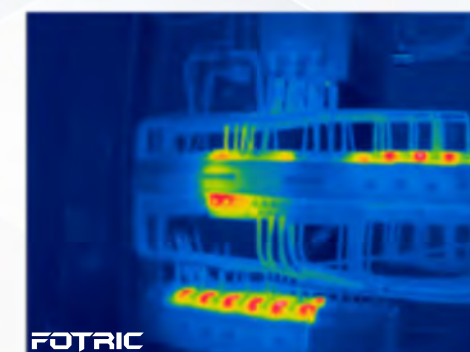
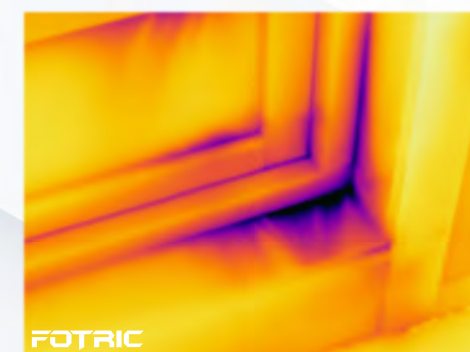
Ready-To-Go All-purpose, All-budgets

- Detect Mechanical, Electrical and Building hidden thermal abnormalities with enhanced images.
- Measure temperatures from -20 to 550°C with automatic range adjustment.
- Reveal low visibility details with LED flash lamp and Laser pointer.
- Aim and shoot large scenes with wide-angle lens.



Easy Inspections

- Always in Focus
Focus-free thermal and digital camera, suitable working distance as close as 0.5m.
- Easy Operation
Highly-responsive 3.5" touch-screen and fast user interface for a smoother experience.
- Compact and light
Its weight and size fit as one more tool in the box or overall pocket.



Convenient and Compatible

- Hands-free annotations
 - Record voice-notes and listen to alarms via a Bluetooth headset.
 - Tag images with equipment name using QR-Code scanner.



- Easy Sharing
 - Transfer images in seconds via Wi-Fi or Memory Card (64GB).
 - View thermal photos and videos in almost any device (JPEG & MPEG4 formats).
 - One-click automatic reports via FOTRIC AnalyzIR software.

Reliable from The Inside-out

- Dust and water resistant (IP54), 2 meters drop designed. Highly durable against common field environments.
- Lifetime Free camera software upgrades to meet global users' needs.



- FOTRIC is committed to deliver state-of-art products with world-class components and unique software.



Specifiche Tecniche

Core parameters	FOTRIC 325F	FOTRIC 323F	FOTRIC 322F	FOTRIC 321F
Risoluzione Termica	320*240	264*198	160*120	128*96
Risoluzione a Display(SR)	640*480	528*396	320*240	256*192
Thermal Sensitivity(NETD)	40mk(0.04℃)	40mk(0.04℃)	60mk(0.06℃)	60mk(0.06℃)
Lens Options(Not interchangeable)	49°x 36.8°	49°x 36.8°	46.5°x 35°	46.5°x 35°
IFOV (spatial resolution)	2.78 mrad	3.40 mrad	5.15 mrad	6.44 mrad
Focal length	f 7.5	f 7.5	f 3.3	f 3.3
Minimum Focus Distance	0.5m	0.5m	0.5m	0.5m
Focus Mode	0.5 meters focus free			
Frame Rate	30Hz			
AI programmable key	Support			
Wi-Fi & Bluetooth	Support			
Wi-Fi FTP Transfer	Transfer imaging data to computer, by Wi-Fi FTP protocol			
Geographic Location	Support, GPS			
Thermal and visible light Image fusion	Support, transparency 0% ~100%			
Picture in Picture	Support, resizable and adjustable			
TWB Non-linear thermal color display	Support			
Build-in digital camera	8 MP industrial camera			
LED flash lamp	Support			
Temperature Analysis				
Temperature Range	-20 ℃ ~ 120℃0 ℃ ~ 550℃			
Intelligent Range Auto-fit	Support			
Measurement Tools	Spot6Line1; Rectangle/Circle4		Spot4Line1; Rectangle/Circle4	
Measurement Accuracy	±2 ℃ or 2% , whichever is greater (at 25 ℃ ambient temperature)			
Emissivity	Support			
Ambient Temp	Support			
Reflected Temp	N/A			
Relative Humidity	Support			
Measurement Distance	Support			
IR Window Compensation	N/A			
Temperature Rise & Difference	N/A			
ROI Sound Alarm	Support, via Speaker or Bluetooth headset			
ROI Partial Emissivity	N/A			
Image Display				
Display Screen	3.5 inch Touch Screen			
Image Mode	Thermal, Visible light, Picture in Picture & Image Fusion			
Palettes	8Grey, Iron, Rainbow, Grey-red, Rain, GlowBow, Medical, Prism			
Inverted Palettes	N/A			
Isotherm/Color Alarms	Support(Above, Below, and in-between)			
Auto Scale	Support			
Manual Scale	Support			
Touch Scale	Support			
Minimum Temperature Span	Auto:3℃ , Manual:2℃			

Storage & Analysis	FOTRIC 325F	FOTRIC 323F	FOTRIC 322F	FOTRIC 321F
Storage Card	TF card64GB			
Capture Mode	Single frame capture and Time-lapse			
Video Recording	Radiometric thermal video(IRS.) and MP4 video recording			
File Format	Radiometric thermal photo(JPEG.), visible light photo, Radiometric video(IRS.) and MP4 video			
On screen Analysis	Support			
Voice Annotation	Support, record up to 120 seconds; via Mic or Bluetooth headset			
Text Annotation	Support			
Tags	SupportManual input and QR-code scan			
Favorite	Support			
PC analysis and Report Software	Fotric AnalyzIR software, FREE			
Remote Display&Analysis	Support			
Power System				
Battery	3.6V5000mAh Li-battery			
Battery operation time	≥4 hours		≥5 hours	
Battery charging time	3.5 hours to full-charge by battery dock. 3 hours to full-charge by connecting to camera.			
Charging methods	Support battery dock adaptor or Type-C interface on camera.			
Power supply	Support Type-C interface charging method, from power adaptor or computer.			
Auto screen-off	Support			
General Specifications				
Spectral range	7-14μm			
IR Detector type	uncooled FPA infrared detector			
Detector Pitch	17μm			
Digital Zoom	1-8 times, continuous			
Wi-Fi Connection	Support 2.4GHz&5GH channelSupport 802.11a/b/g/n/ac			
Bluetooth Connection	BT4.2 LESupport connect to Bluetooth headset			
USB Interface	USB Type-C typeUSB 3.0 / 2.0 compliantSupport USB OTG			
HDMI Interface	Micro HDMI typeHDMI 1.4 compliantSupport 1080P imaging video streaming in 60Hz.			
Storage Card Interface	TF CardSupport Hot-plug.			
Laser pointer	Level2wavelength635nmPower≤1mW			
Operation temperature	-20°C to 50°C			
Storage temperature	-40°C to 70°C, without battery			
Humidity	<95%RH			
Safety	SELV relay (GB 4943.1/IEC60950-1)			
Electromagnetic Compatibility	GB/T17626.2/IEC 61000-4-2			
Vibration	2g(GB/T 2423.10/IEC 60068-2-6)			
Shock	25g(GB/T 2423.5/IEC 60068-2-27)			
Collision	10g(GB/T 2423.6/IEC 60068-2-29) with packing			
Drop	Designed for 2 meters drop test. (GB/T 2423.8/IEC 60068-2-32)			
Dimension	243mm*95mm*142mm			
Weight (include battery)	730g			
Enclosure rating	IP54			
Tripod interface	UNC 1/4 -20 threaded hole for tripod			
Warranty	2 years warranty on camera, 10 years for IR detector.			
Recommended calibration cycle	2 years			
Supported languages	English, Spanish, Korean, Traditional Chinese			
RoHS compliant	Yes			
Box Contents	FOTRIC 320 handheld thermal camera, Documentations(certificate of inspection, certificate of calibration, warranty card, packing list), Quick-start user manual, USB-Type C cable, Micro-HDMI cable, TF card ,TF card reader, Power adaptor, Battery charger dock, 2 pieces of batteries.			