

FOTRIC 320F series

Compact handheld thermal imaging cameras



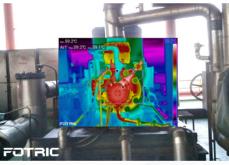
Ready-to-Go All-Purpose Inspection Tool

All-Purpose | Price-wise | Reliable

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

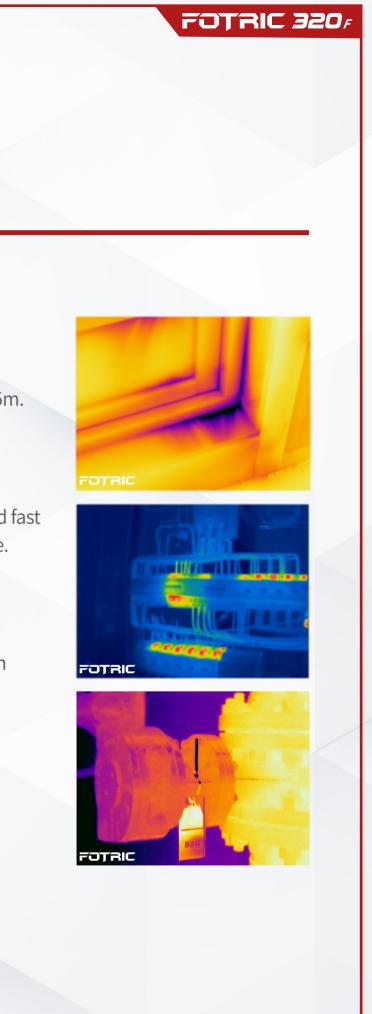
Focus-free thermal and digital camera, suitable working distance as close as 0.5m.

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.



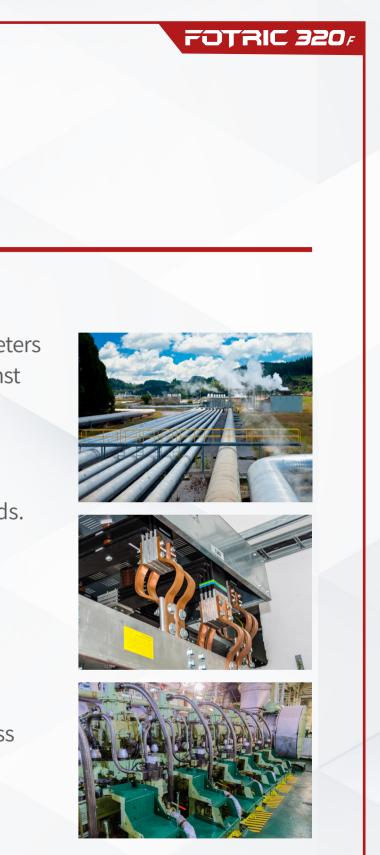
- Easy Sharing
 - Transfer images in seconds via Wi-Fi or Memory Card (64GB).
 - View thermal photos and videos in almost any device (JPEG & MPEG4 formats).
 - One-click automatic reports via FOTRIC AnalyzIR software.

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' s needs.



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



Specifications

Core parameters	FOTRIC 325F	FOTRIC 323F	FOTRIC 322F	FOTRIC 321F
Thermal Resolution	320*240	264*198	160*120	128*96
Super Resolution(SR)	640*480	528*396	320*240	256*192
Thermal Sensitivity (NETD)	40mk(0.04°C)	40mk(0.04°C)	60mk(0.06°C)	60mk(0.06°C)
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			
MagicThermal™	Support			
AI programmable key	Support			
Wi-Fi & Bluetooth	Yes, for data transfer & Headset.			
FTP Wi-Fi Transfer	Connect to computer by Wi-Fi/hot-spot, transfer data by FTP			
Geographic Location	Support, GPS/Beidou			
T-DEF™	Support, thermal and visible light image fusion, transparency 0% ~100%			
Picture in Picture	Support			
TWB™	Support,Non-linear thermal color display			
Build-in digital camera	8 MP industrial camera			
LED flash lamp	Support			
Frame Rate			Hz	
Temperature Analysis				
Temperature Range		-20 °C ~ 120°C,	0 °C ~ 550°C	
Intelligent Range Auto-fit	Support			
Measurement Tools	Spot:6; Line:1; Rectangle/Circle:4			
Measurement Accuracy	±2 °C c	or 2% , whichever is greate	r (at 25 °C ambient tempe	erature)
Emissivity	Support			
Ambient Temp	Support			
Reflected Temp	N/A			
Relative Humidity	Support			
Measurement Distance	Support			
IR Window Compensation	N/A			
Temperature Rise	N/A			
ROI Alarm	Support			
ROI Emissivity	N/A			
Image Display				
Display Screen		3.5 inch Tou	ich Screen	
Image Mode	Thermal image, Visible light, Picture in Picture & T-DEF™			
Palettes	8, Grey, 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°C, M		

Storage & Analysis	FOTRIC 325F FOTR		
Storage Card			
Capture Mode	Sing		
Video Recording	Full-radiation thermal vic		
File Format	Full radiation thermal photo(JP		
On screen Analysis	· · · · · · · · · · · · · · · · · · ·		
Voice Annotation			
Text Annotation			
Tags	Suppo		
Favorite	Cuppo		
PC analysis and Report Software	F		
Remote Display&Control			
Power System			
Battery	>4 hours		
Battery operation time	≥4 hours		
Battery charging time	3.5 hours to full-charge by batte		
Charging methods	Support battery of		
Power supply	Support Type-C interface		
Auto screen-off			
General Specifications			
Spectral range			
IR Detector type	u		
Detector Pitch			
Digital Zoom			
Wi-Fi Connection	Support 2.4GH		
Bluetooth Connection	BT4.2 LE,S		
USB Interface	USB Type-C type		
HDMI Interface	Micro HDMI type, HDMI 1.4 complia		
Storage Card Interface			
Laser pointer	Level2;		
Operation temperature			
Storage temperature	-4		
Humidity			
Safety	SEL		
Electromagnetic Compatibility			
Vibration	2g		
Shock	25		
Collision	10g(GB/T 2423.6/IEC 60068-2-29) v		
Drop	Designed for 2 me		
Dimension			
Weight (include battery)			
Enclosure rating			
Tripod interface	UNC		
Warranty	2 years warr		
Recommended calibration cycle			
Supported languages	English, S		
RoHS compliant			
Box Contents	thermal camera, portable soft ba		
	tion, certificate of calibration, war		
	cable, Micro-HDMI cable, TF card T		

IC 323F FOTRIC 322F

TF card, 64GB

le frame capture and Time-lapse

deo(IRS.) and MP4 video recording. Up to 14 minutes.

EG.), visible light photo, thermal video(IRS.) and MP4 video

Support

Support

Support

rt, Manual input and QR-code scan

Support

otric AnalyzIR software, FREE

Support

3.6V, 5000mAh Li-battery

≥5 hours

tery dock. 3 hours to full-charge by connectting to camera.

dock adaptor or Type-C interface on camera.

e charging method, from power adaptor or computer.

Support

7-14µm

ncooled FPA infrared detector 17µm 1-8 times, continuous z&5GH channel, Support 802.11a/b/g/n/ac Support connect to Bluetooth headset e; USB 3.0 / 2.0 compliant, Support USB OTG ant, Support 1080P imaging video streaming in 60Hz. TF Card, Support Hot-plug. wavelength:635nm;Power:<1mW -20°C to 50°C 40°C to 70°C, without battery <95%RH V relay (GB 4943.1/IEC60950-1) GB/T17626.2/IEC 61000-4-2 g(GB/T 2423.10/IEC 60068-2-6) g(GB/T 2423.5/IEC 60068-2-27) with packing eters drop test. (GB/T 2423.8/IEC 60068-2-32) 243mm*95mm*142mm 730g IP54 1/4 -20 threaded hole for tripod anty on camera, 10 years for IR detector. 2 years Spanish, Korean, Traditional Chinese Yes g, portable hard case, documentations(certificate of inspecrranty card, packing list), quick-start user manual, USB-Type C

F card reader, power adaptor, 2 pieces of batteries.

FOTRIC 321F

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Innovation Excellence Integrity

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