

# Product Catalog 2024



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#### 96

MEMS Digital Microphone Channel

## 192KHz

Sampling rate

#### 2kHz-96kHz

Maximum bandwidth range

#### All-in-one Portable

Compact and light; Two detection modes: leakage and partial discharge

# **Display Mode**

Mono, Multi, Filter modes

**5 Inches** Touchscreen display

#### Robust Sustainability

Powered by 3 replaceable batteries

# FOTRIC TD3-LD

#### Handheld Acoustic Imaging Camera

The FOTRIC TD3-LD is a simple and practical acoustic imager, primarily utilized for detecting gas leaks under pressure in factories, partial discharges from electrical equipment, and mechanical vibrations from industrial equipment among other anomalies.

This product is lightweight, and its handheld design adheres to ergonomic standards, making operation straightforward and user-friendly, requiring no training! It's an invaluable tool for engineers to swiftly pinpoint gas leak sources.

The FOTRIC TD3-LD camera is equipped with 96 built-in MEMS digital microphones, capable of visually displaying ultrasonic information with precision, even within noisy industrial environments, generating accurate acoustic images. The acoustic image overlays in real time onto a visible digital image, enabling users to accurately identify the source of defects. This ensures a consistent supply of pressurized gas, reduces unnecessary gas loss, enhances product quality and operational efficiency, all while ensuring safety in production.





## **Gas Leak Detection**

Gas leaks represent a common challenge faced by various factories, including leaks of compressed gas, flammable gas, toxic gas, corrosive gas, and inert gas among others. Leaks of compressed gas can lead to substantial energy waste and may even cause equipment downtime, increasing factory production costs and risks. Leaks of flammable or toxic gases can create safety hazards, potentially leading to fires and posing threats to personal health, while also causing negative environmental impacts.

FOTRIC's acoustic imagers can assist users in efficiently, intuitively, and accurately locating leak sources, quickly estimate the financial loss due to the loss, alerting users to take timely measures to prevent further losses.



## **Electrical Partial Discharge Detection**

FOTRIC's acoustic imagers identify and locate discharge sources by detecting sound wave signals produced by partial discharges from highvoltage equipment, power cables, insulators, and other devices. This assists maintenance personnel in promptly discovering and handling potential electrical faults, thereby ensuring the consistent and safe operation of power equipment.



# Specifications

Models	FOTRIC TD3-LD
Microphone channels	96 MEMS digital microphones
Acoustic image field of view	45°
Positioning frequency range	2kHz ~ 96kHz
Sound pressure sensitivity	>0.03 L/min (0.3 MPa, 3m), >0.05 L/min (0.3 MPa, 10 m)
Measured sound pressure range	-10 dB SPL to 120 dB SPL ±1 dB SPL 5 kHz, -10 dB SPL to 120 dB SPL ±2 dB SPL 20 kHz, -5 dB SPL to 120 dB SPL ±1 dB SPL 35 kHz, 5 dB SPL to 120 dB SPL ±3 dB SPL 50 kHz, 20 dB SPL to 120 dB SPL ±1 dB SPL 65 kHz, 25 dB SPL to 120 dB SPL ±1 dB SPL 80 kHz
Operating Modes	Single, Multi, Hologram
Auto enhancement	Highlight source intensity and location
Threshold adjustment	Filtering background noise
Frequency range selection	Touch screen selection
Sound Pressure Display	Show maximum sound pressure on screen
Sound Sampling Rate	192kHz
Acoustic Refresh Rate	25FPS
Working distance	0.3m ~ 130m
Detection Mode	Leakage Mode + Partial Discharge Mode (PRPD graph is available in partial discharge mode)
Analysis Software	SonicLab
Display	size 5", 800*480, LCD capacitive touch screen
Display Brightness	500nits
Visible light camera	5 megapixels
Storage Capacity	32GB
Image Format	JPG
Video Format	MP4
Video Duration	7 minutes
WiFi connection	Support
USB port	Support
Software and firmware upgrades	Support free upgrade
Headphones	3.5mm 3-part headphone jack (monitor audible sound only supported)
Battery type	7.4V, 3500mAh lithium battery, field replaceable, rechargeable
Battery operating time	single battery continuous operating time $\ge 2.5$ hours (actual use time depends on the environment and use at the time)
Charging method	Charging dock
Charging time	2.5 hours to 90% of the battery power
Safety Standard	SELV (Safety Extra Low Voltage Circuit) (GB 4943.1-2011/IEC60950-1:2005)

Electromagnetic compatibility	GB/T17626.2/IEC 61000-4-2
Explosion-proof grade	None
Protection class	IP51
Operating temperature	-20° C to 50° C
Storage temperature	-40° C to 70° C without battery
Operating Humidity	<95%RH
Dimension	276*150*59mm(H*W*L)
Weight	1.2kg
Housing material	Hard rubber: PC+ABS, Soft rubber: TPE, Aluminum alloy
Warranty	2 years
Language	English, Chinese
Standard Configurations	Main unit, charging dock, power adapter, Li-ion battery*3, portable hard case, wrist strap, user manual, packing list, USB flash drive, TypeC-USB adapter cable



# NaviTiR System

#### **Redefine Routine Inspection**

NaviTiR system is compatible with all FOTRIC handheld cameras.

Thermal imagers have been an integral part of routine inspection for a long time. Yet it remains just a tool to take thermal image. In this era of hyper interconnectivity, FOTRIC believes it should be more. It should facilitate everything an inspector would need on field. And we made it so.

The NaviTiR system is an AI-infused digital upgrade from the traditional thermal camera, including features like digitalized data management, automatic diagnosis, object identification, instant data synchronization and one-click report generation. It perfectly assists thermal inspectors on every link of their assignment, from preparation to presentation.



## **Object Identification + Automatic Diagnosis**

When using FOTRIC NaviTiR, the device can automatically recall the pre-set diagnostic rules ,intelligently diagnose the current state of the equipment, and save the diagnostic conclusion in the inspection task. Even an novel technician with limited experience can perform inspections with the same high quality as a full-time worker when assisted with FOTRIC NaviTiR.

The NaviTiR is flexible as it is convenient. Experienced inspectors can overwrite the device's diagnosis, should the scenario demands a superior judgement.





NaviTiR

## **Digital Data Management**

FOTRIC NaviTiR system offers a superior alternative to the traditional inspection data management system, which often involves paper documentation and manual transcription that's laborious and susceptible to human error, with an efficient and error-proof electronic ledger system.



#### Instant Synchronization + Report Generation

The NaviTiR system offers mutual synchronization between the thermal camera and the PC, instantly filling the gap between inspection and presentation.



It allows users to skip over drudgerous data organization and diagnosis assignment to generate a robust and comprehensive report in a swift manner.





Premium Thermal Camera

Up to **1280\*1024** IR resolution Up to **30mK** Thermal sensitivity

Reach **±1%** Accuracy Up to **2000°C** Temperature range



## Powerful Software-IRExplorer

Brings untrammeled communication

- Remote control via WiFi 🗢 or Self-equipped Hotspot 👰
- No need for installation
- Across any platform 🛛 📲 Windows 🔬 Linux 🗰 MacOS/IOS 👘 Android
- Access and edit thermal files





#### **Meticulously Designed Hardware**

#### One Lens to See them All

Eliminate the need to carry and change an extra lens, saving both your time and space.



#### A Wealth of Alternatives











7° Ultra Telephoto Lens

Wide-angle Lens Standard Lens Telephoto Lens

25°





Advanced Handheld Thermal Imager

Up to **640\*480** IR resolution



Up to **30mK** Thermal sensitivity

Up to **0.19mrad** IFOV

# **Cutting-Edge Image Algorithms**

FOTRIC's imaging enhancement algorithms, such as TWB and IREdge, enable prominent image representation in complex environments.

#### **IRedge function**

The IRedge function strengthens the visual impact of object contour and edges to help users distinguish them from the background.

#### **TWB function**

TWB essentially re-scales the palette ribbon based on the number of pixels in representing each temperature range. Consequently, the temperature distribution of the entire image is more clearly laid out for the inspector.







TWB ON

# **Extraordinary Performance**

Reveal miniscule thermal difference at any temperature range.

• Hand work eased like never before with programmable AI Quick-Access button.

- Turbo-Focus system enables swift and meticulous measurements.
- Interchangeable lenses provide coverage for any target, any scene.
- Complimentary access to the Face Detection feature.

#### **Exceptional Field Work**

FOTRIC's fine-tuned new series is equipped to help you thrive in the toughest environments.

Inspectors need to deal with objects far and near, large and small. And that's what FOTRIC products can accommodate. FOTRIC 340 series cameras come with **interchangeable 44°**, **25°**, **12°** and **7°** lenses, making sure the owner can accurately acquire object's condition and temperature at any distance.

- Professional laser meter for distance and area measurement. (\*Only for 340A series)
- Full-range radiometric video for post-analysis.
- Voice annotation via Bluetooth Headset.
- QR-code scan to save in Tags, for auto-naming of files.
- Oustanding battery performance for extended work sessions.





7° lens

#### **Professional Workflow**

The 340 series cameras produce standardized radiometric JPEGs that's accessible through different media. Not only are they supported by the professional, analytical software-AnalyzIR, they are compatible with the Inspection assistant NaviTiR system and cross-platform IRExplorer system.

#### AnalyzIR

The powerful analytical software is designed for comprehensive and professional evaluation of the thermal images. Combined with strong connectivity and multi-dimensional capabilities, it's a robust tool that can meet even the most stringent requirements.







FOTRIC 320 Series

Semi-Professional Compact Thermal Imagers

Up to **384\*288** IR resolution



Up to **40mK** Thermal sensitivity

Up to **1.14mrad** IFOV

#### Decades of Thermography Expertise in Your Hands

- Perform inspections in more industries with its extended, -20 to 650° C intelligent range.
- Powered with TWB image-balancing technology for more intuitive inspections.
- More alternatives on working distances
  - Assess electrical targets with 25° lens.
  - Work in confined spaces or fit larger targets with 49° & 46° wide-angle lens.
- Get deeper insights of complex analysis with up to 20 ROIs on screen.

#### **More Intuitive Inspections**

- Total focus control:
  - Achieve sharper details by easily switching from focus-free to manual focus.
  - Get as close as 0.1 m from targets to capture more details\*.







- Enriched inspection results:
  - Record and listen to valuable voice annotations using a Bluetooth headset.
  - Add important written notes to videos and pictures.
- Enhanced operability:
  - Responsive 3.5" LCD touch screen & fast user interface for a smooth professional experience.
  - Light-weight, compact design that fits in any toolbox or overall pocket.

#### **Technology-Assisted Inspections**

- Spot problems faster with Touch-scale mode to reveal hidden details.
- Organize images of same assets by scanning QR-Codes for Auto-Naming.
- High-Quality Reporting:
  - One-click automatic reports via FOTRIC AnalyzIR software.
  - Easy-sharing JPEG thermal pictures with embeded temperature values.
  - On-device radiometric video recording.
  - Transfer images in seconds via Wi-Fi or Memory Card (64GB).

#### **Reliable from the Inside-out**

- Top-class images by combining world-leading high senstive sensors (40 mK\*) with FOTRIC's unique imageenhancing algorithms.
- Up to one day shift of combined battery life makes it the perfect companion for long shifts.
- Lifetime free upgrades of camera software based on global users' insights.
- IP54 enclosure rating, 2 meters-drop tested. Highly durable against common field environment.







Industrial Grade Thermal Camera

**384\*288** IR resolution



40mK Thermal sensitivity

Focus free+Manual focus Focus Mode





Over 100000 pixels



Under 10000 pixels

#### **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. A damp spot never escapes your sight.

#### **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.
- TEF-Fusion 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.

#### Panorama Mode

To help you see the big picture.









Plug-in Thermal Camera

**256\*192** IR resolution

-20~550°C Temperature range 60mK Thermal sensitivity

Focus free Focus Mode







# **Designed for the Big Picture**

- Takes vivid images with 256\*192 thermal resolution.
- 56° Field of view, more information, broader perspective.

#### **Compact Size, Extensive Power**

- With the size of a dollar coin, it never gets in the way of your operation.
- Resizable and movable PIP feature, allows seamless fusion between the thermal and digital view.
- 10 color palettes, offers more ways to look at the infrared world.
- Temperature range from -10 to 550°C , from hunting, to electrical inspection, to furnace inspection, the limit is your imagination.

## Intuitive and Ready to Go

- Take 1 second to plug it in and start shooting.
- Powered by your phone, so it always keeps going.





Specifications			Adva	nced				P	rofessiona	ો	
Model	P9	P8	P7	P6	P5	P4	348A	347A	346A	345A	345M
Infrared Resolution	1280*1024 (1310720 pixels)	1024*768 (786432 pixels)	640*480 (307200 pixels)	480*360 (172800 pixels)	384*288 (110592 pixels)	320*240 (76800 pixels)	640*480 (307200 pixels)	480*360 (172800 pixels)	384*288 (110592 pixels)	320*240 (76800 pixels)	320*240 (76800 pixels)
Super Resolution			Ye	es			Yes				
Remote Control Function			Ye	25			Yes				
Thermal Sensitivity (NETD)	< 0.03°C (30mk)@30°C						< 0.03°C (30mk)@30°C < 0.04°C (40mk)@30°C				< 0.04°C (40mk)@30°C
Accuracy	$\begin{array}{l} \pm 1^{\circ}\text{C or} \pm 1 \%, \text{ whichever is greater} \\ (ambient temp at 25^{\circ}\text{C}, temperature range} \\ 0^{\circ}\text{ C-100}^{\circ}\text{ C}), \pm 2^{\circ}\text{C or} \pm 2 \% \text{ for other} \\ temperature range} \\ \end{array} \begin{array}{l} \pm 2^{\circ}\text{ C or } 2\%, \\ \text{whichever is greater} \\ (at 25^{\circ}\text{ C ambient} \\ temperature) \end{array}$						±2 ° C or 2% , whichever is greater (at 25 ° C ambient temperature)				
Temperature Measurement Range	-20°C ~ 120°C (-4° F to 248° F), 0°C ~ 700°C (32° F to 1292° F), 300°C ~2000°C (572° F to 3632° F F)					o 248° F), 1292° F), F to 2822°	-20°C to 1550°C (-4 °F to 2822 °F ) -20°C to 1550°C (-4 °F to 2822 °F ) -20°C ~ 120° C, 0 ° C ~ 650° C, (-4° F~248° F, 32° E~1202° F)				
Standard Field of View(FOV)	25° x 19°						25° x 19°				
Focus Mode	Manua	l focus+ las	ser/thermal	contrast a	ssisted aut	o focus	Manual focus+ laser/thermal contrast Manual focus				Manual focus
Alternative Lenses	46 12 7	$\begin{array}{cccc} & & 46^{\circ}; \\ & 12^{\circ}; \\ 46^{\circ}; & & 7^{\circ}; \\ 12^{\circ}; & & 25^{\circ}/12^{\circ} \text{ dual-view} \\ & & 15^{\circ}; \\ 25^{\circ}/7^{\circ} \text{ dual-view} & & 7^{\circ} \end{array}$				)°; ; ;	44°; 44°; 12°; 12° 7°				₽°; 2°
Touchscreen			5 ir	ich					5 inch		
Measurement tools	Spot: 30; ; Rectang 3	Line: 30 le/Circle: 0	Spot: 25; Line: 25; Rectangle/ Circle: 25	Spot: Recta	20; Line: angle/Circle	20; e: 20	Spot: 16; Line: 8; Rectangle/Circle: 12 Spot: 12; Line ; Rectangle/Circle: 12			; Line: 4 le/Circle: 3	
Connectivity	USB to USB-C cable; HDMI to Micro HDMI cable; Bluetooth; WLAN; Hotspot; FTP Transfer;Web service(IRExplorer)						USB to USB-C cable; HDMI to Micro HDMI cable; Bluetooth; WLAN; Hotspot; FTP Transfer;Web service(IRExplorer)				II cable; er;Web
Video Format			MP4; Rad	liometric			MP4; Radiometric				
Laser		Yes, as i	ranger and	measurem	ent tool		Yes, as	ranger and	measurem	ent tool	Yes, as pointer
Palettes		1	6 standard-	+16 inverte	d		16 standard+16 inverted				
Storage Memory	256 GB	256 GB	128 GB	128 GB	64 GB	64 GB	128 GB	128 GB	128 GB	128 GB	32 GB
On-Device Analysis			Ye	2S					Yes		
Software		AnalyzIR;	NaviTiR(Co	mpatible);	IRExplorer	Anal	yzIR; NaviT	iR(Compati	ible); IRExp	lorer	



					Compact					Plug-in
326M	325M	323M	322M	326F	325F	323F	322F	321F	TK7	TA3
384*288 (110592 pixels)	320*240 (76800 pixels)	264*198 (52272 pixels)	160*120 (19200 pixels)	384*288 (110592 pixels)	320*240 (76800 pixels)	264*198 (52272 pixels)	160*120 (19200 pixels)	128*96 (12288 pixels)	384*288 (110592 pixels)	256*192 (49152 pixels)
	Y	'es				Yes	Yes	-		
Yes					Yes	Yes	-			
0.04	°C (40mk)@	)30°C	0.06°C (60mk)@30°C	0.04°C (40mk)@30°C 0.06°C (60mk)@30°C					0.04°C (40mk)@30°C	≤ 0.05°C (50mK)@25° C
±2°C or °(	:2 ° C or 2% , whichever is greater (at 25 ° C ambient temperature)			±2 ° C or 2% , whichever is greater (at 25 ° C ambient temperature)					±2°C or 2%, whichever is greater (at 25°C ambient temperature) -20°C ~ 120°C, 0°C ~	±3° C or ±3% of reading whichever is greater -10° C ~ 150°C
-20 (-2	€~120 € 4° F~248° F,	32° F~1202	° F)	-20 ° C ~ 120° C,0 ° C ~ 550° C (-4° F~248° F, 32° F~1022° F)					650 C (-4° F~248° F, 32° F~1202° F)	, 50 C ~ 550 C (Uncalibrated below 0°C )
	49° x 36.8°		46.5° x 35°		49° x 36.8°		46.5°	x 35°	49° x 36.8°	56° x 42.2°
F	Focus free+N	Manual focu	JS			Focus free			Focus free+Manual focus	Focus free
	Optional 25	degree len	S			-			-	-
	3.5	inch				3.5 inch			3.5 inch	-
Spot: 10	); Line: 2; F Circle: 8	Rectangle/	Spot: 6; Line: 1; Rectangle/ Circle: 4	Spot: 6;	Line: 1;F Circle: 4	Rectangle/	Spot: 4; Rectangle	Line: 1; /Circle: 4	Spot: 6; Line: 3; Rectangle/ Circle: 4	Spot; Line; Rectangle
Circle: 4 USB to USB-C cable; HDMI to Micro HDMI cable; Bluetooth; WLAN; Hotspot; FTP Transfer;Web service(IRExplorer)			USB to USB-C cable; HDMI to Micro HDMI cable; Bluetooth; WLAN; Hotspot; FTP Transfer;Web service(IRExplorer)					USB to USB-C cable; HDMI to Micro HDMI cable; Bluetooth; WLAN; Hotspot; FTP Transfer;Web service(IRExplorer)	USB-C port	
	MP4; Rad	diometric			MP	4; Radiome	MP4	-		
	Yes, as	pointer			Ye	es, as point	er		Yes, as pointer	-
	8 Standard	+8 Inverted	1			8 Standard			8 Standard+8 Inverted	10
	TF care	l, 64 GB			Т	F card, 64 G	iВ		TF card, 32 GB	-
	Y	es				Yes			Yes	-
AnalyzIR;	NaviTiR(Co	mpatible);	IRExplorer	AnalyzIR; NaviTiR(Compatible); IRExplorer					AnalyzIR; NaviTiR (Compatible); IRExplorer	Reshi Android App



# FOTRIC 600 R&D

#### **R&D** Station

The device adopts cutting-edge hardware including infrared detector, main processing chip, FPGA, power supply chip, etc., which guarantee the quality, performance and stability of the camera.

The thermal imaging camera can be equipped with  $20\mu m$  and  $50\mu m$  macro lenses to obtain temperature distribution and detailed data of microstructures such as chips.

The thermal imaging camera is equipped with a dedicated R&D test platform, allowing researchers to observe and analyze in a flexible, fine and stable manner.

#### **Outstanding Performance**

FOTRIC R&D cameras' excellent hardware configuration, combined with extraordinary imaging algorithms, results in superior product performance.

- The infrared detector of up to 640\*480 pixels provides a thermal map with well over 300000 temperature points as data matrix
- State of the art imageing algorithm significantly reduces noise and boosts image clarity
- Thermal sensitivity of 0.04°C , more sensitive to temperature change and makes more accurate temperature measurement
- High EMC compatibility, effectively prevent electromagnetic interference and electrostatic breakdown





#### **Designed with R&D Purposes in Mind**

FOTRIC R&D cameras are designed for education and research related applications. The simple and elegant design that makes operations intuitive and efficient.

- The test platform allows for easy lifting, rotation, fixation and other practical adjustment movements
- The 50µm lens help users obtain thermal maps of microstructure temperature distribution and detailed temperature data
- Manual focus offers flexible and accurate focusing and fine thermograph acquisition.



#### **Powerful Software Support**

- Enables the camera to communicates with a PC to display, transmit, record, and analyze full radiometric video streams in real time
- Modification of the thermal parameters of the thermal image file, including emissivity, reflected temperature, atmospheric temperature, relative humidity, target distance, external optical transmittance, GPS location information, etc.
- Set partial emissivity for individual measurement tools to improve accuracy
- Display, export, save, and overlay time of temperature curves for any measurement tool
- Full radiometric thermal video supports both raw mode and temperature difference mode analysis
- The thermal image file supports histogram, 3D graph, and line temperature distribution display
- Combine thermal images into full-radiation thermal videos or split videos into images.
- Edit customized report templates and batch process thermal image files. Batch generate of thermal image inspection reports.
- I/O external trigger recording.
- DB, TCP/IP Modbus, RS232 Modbus serial communication and data transfer with external systems.

# Specifications

Models	FOTRIC 618C R&D Station FOTRIC 616C R&D Station					
Basic Parameters						
Infrared resolution	640'	*480	384*288			
Detector type		Uncooled infrared f	ocal plane detector	plane detector		
Thermal sensitivity NETD)	< 0.03°C @	30°C ,30mk	< 0.05°C @30°C ,50mk			
Infrared spectral band		7μm~.	14µm			
Standard lens	29°	*22°	30° *22°			
IFOV	0.79	mrad	1.36r	nrad		
Minimum focus distance	0.1	lm	0.1	5m		
Focal length	21.6	mm	13n	nm		
Optional macro lens	M20	M50	M34	M100		
Focal length	20mm	50mm	50mm	20mm		
Image pixel size	20µm	50µm	34µm	100µm		
Lens to object distance	12.8mm	66.3mm	45.2mm	110.6mm		
Focus type		Man	ual			
Measurement Analysis						
Temperature Measurement Range		-20°C -2 0°C -6	150°C ; 550°C			
Accuracy	$\pm$ 2°C or $\pm$ 2%	, whichever is greater	(ambient temp betwe	en15°C ~35°C )		
Measurement parameters	Emissivity; Ambient	temperature; Reflectec External optics	l temperature; Relative compensation	humidity; Distance;		
Partial emissivity		Supj	port			
Image display						
Palettes		10 standard palettes ar	nd 10 inverted palettes			
Image process	١	Non-uniform calibration	n, digital enhancemen	t		
Mirror mode		Left-right, up-	down, center			
Video compression standard		H.2	64			
Radiometric stream	25Hz radiom	netric stream	30Hz radiom	etric stream		
Pan-tilt-zoom station compatibility		Support Pelc	o-D protocol			
Measurement tools	5 poin	ts, 10 lines and 10 regio	ons, support Modbus c	output		
Software		Anal	yzIR			

Network Connection						
Ethernet type	10M/100M/10	00M adaptive				
Simultaneous stream	Mainstream and substream	: 10; Radiometric stream: 1				
IP connection interface	ON	VIF				
Electrical connection						
Power connector	Screw-on w	ire terminal				
Network connector	Screw-on RJ45 with	status indicator LED				
Serial port	RS-485 : 1 input 1 output					
Alarm input/output	Relay: 1 input 1 output, lo Optocoupler: 1 input(5~15mA) 1 outp	oad capacity:24V,1.5A put(<35mA) 1 GND, Voltage:3.3-24V				
Power system						
Power supply	12V/24V DC, PoE					
Power consumption	4W	3W				
Reliability and certificates						
Safety standards	GB 4943.1-2011   EN 62368-1:20	14+A11:2017; GB/T 19870-2018				
Electromagnetic compatibility	GB/T 18268.1-2010   EN 61326-1:2013 GB 17625.1-2012   EN IEC 61000-3-2:2019 GB/T 17625.2-2007   EN 61000-3-3:2013/A1:2019 GB/T 19870-2018 GB 4824-2019 EN 55032:2015/A11:2020 EN 55035:2017 FCC CFR47 Part15 subpart B					
Protection level	IP	40				
Impact	25g,GB/T 2423.5-2019	9   IEC 60068-2-27:2008				
Vibration	2g,GB/T 2423.10-200	8   IEC 60068-2-6:2007				
RoHS compliant	Directive 2011/65/EU and a	amendment (EU) 2015/863				
Physical parameters						
Working temperature	-20°C	-65°C				
Storage temperature	-40°C	-70°C				
Relative humidity	< 9	10%				
Size	112mm*68mm*60mm	(without lens or base)				
Weight	485g(without	lens or base)				
Outer casing material	Aluminu	ım alloy				





Fixed-mount infrared camera

Up to **640\*480** IR resolution

FOTRIC Up to -20~2000°C Temperature range Up to **30mK** Thermal sensitivity

Up to

**30Hz** Radiometric video stream







#### **Product Features**

- Support a wide variety of configuration, complying with every scenario.
- Support radiometric video output, providing robust temperature data for analysis.
- Maximum temperature range expandable to 2000°C .
- Compliant with multiple data transmission protocols, adaptive for connection integration.

#### **More Options; More Liberty**

#### Multiple available models

Support resolution of 640\*480, 384\*288, 320\*240 and 160\*120, fulfilling every need from different environments.

#### **Open source API software**

The FOTRIC SDK offers users the possibility to create softwares tailored for their unique needs.

# Specifications

Models	613C	615C	616C	618C	625C	626C	628C	626CH	628CH
Basic Parameters									
Thermal resolution	160*120	320*240	384*288	640*480	320*240	384*288	640*480	384*288	640*480
Detector type			ι	Jncooled fo	cal plane a	ray detecto	r		
Thermal sensitivity	<60 mk	<50 mk	<50 mk	<30 mk	< 50mk	<50 mk	<30 mk	<50 mk	<30 mk
Detector pitch					17µm				
Spectral range		7.5μm~14μm							
FOV			D	ependent c	on the lens o	configuratio	n		
IFOV		Dependent on the lens configuration							
Minimum focus distance		Dependent on the lens configuration							
Focal distance			D	ependent c	on the lens o	configuratio	n		
Focus type		Mar	nual				Automatic		
Measurement Analy	sis								
Temperature range	-20°C - 150°C 0°C -350°C	-20°C - 150°C 0°C -350°C	-20°C - 150°C 0°C -550°C	-20°C - 150°C 0°C -550°C	-20°C - 150°C 0°C -350°C	-20°C - 150°C 0°C -650°C	-20°C - 150°C 0°C -650°C	-20°C - 150°C 0°C -650°C 300°C - 2000°C	-20°C - 150°C 0°C -650°C 300°C - 2000°C
Accuracy			<u>+</u>	$\pm$ 2 ° C or $\pm$	2 %, which	ever is great	er		
Measurement parameters	Emissiv	ity (0.01-1.0	); Ambient t	temperatur External o	e; Reflected optics comp	temperatur pensation	re; Relative	humidity; D	istance;
Partial emissivity					Support				
Image display									
Palettes			10 sta	andard pale	ttes and 10	inverted pa	lettes		
Image process			Non-u	iniform cali	bration, dig	ital enhance	ement		
Mirror mode				Left-righ	nt, up-dowr	n, center			
Video compression standard					H.264				
Radiometric stream	30Hz	30Hz	30Hz	25Hz	30Hz	30Hz	25Hz	30Hz	25Hz
Pan-tilt- zoom station compatibility				Suppor	rt Pelco-D p	rotocol			
Measurement tools			5 points, 10	lines and 1	0 regions, s	upport Mod	lbus output	:	
Software				AnalyzIR;	Open API F(	OTRIC SDK			
Network Connection	n								
Ethernet type				10M/10	0M/1000M a	adaptive			
Network protocols			IP	v4, UDP,	TCP,RTSP	, RTCP, R	ГР		
Simultaneous stream			Mainstrea	m and subs	stream: 10; I	Radiometric	stream: 1		
IP connection interface					ONVIF				

Electrical connection	n									
Power connector				Screw	-on wire ter	minal				
Network connector			Scr	rew-on RJ45	5 with status	indicator l	ED			
Alarm input/output		1 relay output, load capacity: 24V, 1.5A 1 optocoupler output: Voltage: 3.3-24V, Max current: 35mA 1 optocoupler input: Voltage: 3.3-24V, Input current: 5mA-15mA								
Serial port					1 RS-485					
Power system										
Power supply		12V/24V DC, PoE								
Power consumption	3W	3W 3W 3W 4W 3W 3W 4W 3W 4							4W	
Reliability and certif	icates									
Safety standards		GB	4943.1-201	1   EN 62368	3-1:2014+A1	1:2017; GE	3/T 19870-20	018		
Electromagnetic compatibility		GB/T 18268.1-2010   EN 61326-1:2013 GB 17625.1-2012   EN IEC 61000-3-2:2019 GB/T 17625.2-2007   EN 61000-3-3:2013/A1:2019 GB/T 19870-2018 GB 4824-2019 EN 55032:2015/A11:2020 EN 55035:2017								
Protection level					IP40					
Impact			25g,	GB/T 2423.	5-2019   IEC	60068-2-27	7:2008			
Vibration			2g,	GB/T 2423.1	L0-2008   IEC	60068-2-6	:2007			
RoHS compliant			Directive	2011/65/EU	J and amend	dment (EU)	2015/863			
Physical parameters	;									
Working temperature					-20°C -65°C					
Storage temperature					-40°C -70°C					
Relative humidity					< 90%					
Size	112mm'	*68mm*60n	nm (withou	ut lens)		142.25 (st 157.25 (st 164.6r (st	mm*71mm' andard lens mm*80mm* andard lens mm*80mm* tandard lens	*70mm ;) ;79mm ) 79mm )		
Weight	485	5g (without	lens or bas	se)	706g (stan	dard lens)	718g (standard lens)	713g (standard lens)	993g (standard lens)	
Outer casing material				Al	uminum alle	оу				

# **Optional Lenses**

Model	Parameters	Standard lens	Wide-angle lens	Telephoto lens	
	FOV	25°* 18.7°	50°* 37.5°	12°* 8.9°	
628CH	IFOV	0.67mrad	1.39mrad	0.32mrad	
020011	Minimum focus distance	0.5m	0.7m	5m	
	Focal distance	25.3mm	-12.2mm	-53.9mm	
	FOV	25°* 18.7°	50°* 37.5°	12°* 8.9°	
626CH	IFOV	1.13mrad	2.32mrad	0.53mrad	
02000	Minimum focus distance	0.5m	0.5m	1.5m	
	Focal distance	15mm	7.34mm	-32.2mm	
	FOV	25°* 18.7°	50°* 37.5°	12°* 8.9°	
6200	IFOV	0.68mrad	1.31mrad	0.34mrad	
0200	Minimum focus distance	0.3m	0.3m	1m	
	Focal distance	25mm	13mm	50mm	
	FOV	25°* 18.7°	50°* 37.5°	12°* 8.9°	
6260	IFOV	1.13mrad	2.07mrad	0.57mrad	
0200	Minimum focus distance	0.3m	0.3m	1m	
	Focal distance	15mm	8.2mm	-30mm	
	FOV	25°* 18.7°	50°* 37.5°	12°* 8.9°	
6260	IFOV	1.13mrad	2.07mrad	0.57mrad	
0200	Minimum focus distance	0.3m	0.3m	1m	
	Focal distance	15mm	8.2mm	-30mm	
Model	Parameters	Standard lens	Wide-angle lens	Telephoto lens	Super wide-angle lens
Model	Parameters FOV	Standard lens 21°* 15.6°	Wide-angle lens 42°* 31.2°	<b>Telephoto lens</b> 10°* 7.4°	Super wide-angle lens –
Model	Parameters FOV IFOV	Standard lens 21°* 15.6° 1.13mrad	Wide-angle lens 42°* 31.2° 2.07mrad	Telephoto lens 10°* 7.4° 0.57mrad	Super wide-angle lens _ _
Model	Parameters FOV IFOV Minimum focus distance	<b>Standard lens</b> 21°* 15.6° 1.13mrad 0.3m	<b>Wide-angle lens</b> 42°* 31.2° 2.07mrad 0.3m	Telephoto lens 10°* 7.4° 0.57mrad 1m	Super wide-angle lens – –
Model	Parameters FOV IFOV Minimum focus distance Focal distance	Standard lens     21°* 15.6°     1.13mrad     0.3m     15mm	Wide-angle lens     42°* 31.2°     2.07mrad     0.3m     8.2mm	Telephoto lens     10°* 7.4°     0.57mrad     1m     -30mm	Super wide-angle lens   
Model	Parameters FOV IFOV Minimum focus distance Focal distance FOV	Standard lens 21°* 15.6° 1.13mrad 0.3m 15mm 29°* 22°	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°	Super wide-angle lens - - - 92°* 74°
<b>Model</b> 625C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad	Super wide-angle lens - - 92°* 74° 2.93mrad
Model     625C     618C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m	Super wide-angle lens - - - 92°* 74° 2.93mrad 0.3m
Model     625C     618C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance Focal distance	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm	Super wide-angle lens - - 92°* 74° 2.93mrad 0.3m 5.8mm
Model     625C     618C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance Focal distance	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°	Super wide-angle lens - - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71°
Model   625C   618C   616C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance Focal distance FOV	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°   1.3mrad	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°   2.125mrad	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°   0.68mrad	Super wide-angle lens - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71° 4.59mrad
Model   625C   618C   616C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance FOV IFOV IFOV	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°   1.3mrad   0.3m	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°   2.125mrad   0.3m	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°   0.68mrad   2m	Super wide-angle lens - - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71° 4.59mrad 0.3m
Model   625C   618C   616C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance FOV IFOV IFOV Minimum focus distance FOC	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°   1.3mrad   0.3m   1.3mrad   0.3m   1.3mrad   0.3m   1.3mrad	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°   2.125mrad   0.3m   8mm	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°   0.68mrad   2m   25mm	Super wide-angle lens - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71° 4.59mrad 0.3m 3.7mm
Model   625C   618C   616C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance FOV IFOV IFOV Minimum focus distance Focal distance	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°   1.3mrad   0.3m   1.3mrad   0.3m   13mm   25°* 18.7°	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°   2.125mrad   0.3m   8mm   39°* 29°	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°   0.68mrad   2m   25mm   13°* 9°	Super wide-angle lens - - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71° 4.59mrad 0.3m 3.7mm 3.7mm
Model   625C   618C   616C   615C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance FOV IFOV Minimum focus distance Focal distance Focal distance	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°   1.3mrad   0.3m   1.3mrad   0.3m   13mm   25°* 18.7°   0.68mrad	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°   2.125mrad   0.3m   8mm   39°* 29°   2.125mrad	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°   0.68mrad   2m   13°* 9°   0.68mrad	Super wide-angle lens - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71° 4.59mrad 0.3m 3.7mm 76°* 59° 4.59mrad
Model   625C   618C   616C   615C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance FOV IFOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°   1.3mrad   0.3m   13mm   25°* 18.7°   0.68mrad   0.3m	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°   2.125mrad   0.3m   8mm   39°* 29°   2.125mrad   0.3m	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°   0.68mrad   13°* 9°   0.68mrad   13°* 9°   0.68mrad   2m   2n   25mm   25mm   25mm   25mm   25mm   0.68mrad   2m	Super wide-angle lens - - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71° 4.59mrad 0.3m 3.7mm 76°* 59° 4.59mrad 0.3m
Model   625C   618C   616C   615C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance FOV IFOV Minimum focus distance FOV IFOV Minimum focus distance FOV	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°   1.3mrad   0.3m   13mm   25°* 18.7°   0.68mrad   0.3m   25mm	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°   2.125mrad   0.3m   39°* 29°   2.125mrad   0.3m   8mm   39°* 29°   2.125mrad   0.3m   8mm   2.125mrad   0.3m   8mm	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°   0.68mrad   13°* 9°   0.68mrad   13°* 9°   0.68mrad   2m   25mm   25mm   25mm   25mm   25mm	Super wide-angle lens - - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71° 4.59mrad 0.3m 3.7mm 76°* 59° 4.59mrad 0.3m 3.7mmad
Model   625C   618C   616C   615C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance FOV IFOV IFOV Minimum focus distance FOV IFOV IFOV IFOV	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°   1.3mrad   0.3m   13mm   25°* 18.7°   0.68mrad   0.3m   25mm   28°* 21°	Wide-angle lens   42°* 31.2°   2.07mrad   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°   2.125mrad   0.3m   8mm   39°* 29°   2.125mrad   0.3m   8mm   50°* 37.5°	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°   0.68mrad   2m   13°* 9°   0.68mrad   2m   25mm   25mmad	Super wide-angle lens - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71° 4.59mrad 0.3m 3.7mm 76°* 59° 4.59mrad 0.3m 3.7mm 76°* 59°
Model   625C   618C   616C   615C   613C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance FOV IFOV Minimum focus distance FOV IFOV Minimum focus distance FOV IFOV Socal distance FOV IFOV	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°   1.3mrad   0.3m   13mm   25°* 18.7°   0.68mrad   0.3m   25mm   28°* 21°   3.06mrad	Wide-angle lens   42°* 31.2°   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°   2.125mrad   0.3m   3m   3go* 2go°   2.125mrad   0.3m   3m   3m	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°   0.68mrad   2m   13°* 9°   0.68mrad   2m   25mm   25mm   25mm   35mm	Super wide-angle lens - - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71° 4.59mrad 0.3m 3.7mm 76°* 59° 4.59mrad 0.3m 3.7mm 76°* 59° 4.59mrad 0.3m 3.7mm
Model   625C   618C   616C   615C   613C	Parameters FOV IFOV Minimum focus distance Focal distance FOV IFOV Minimum focus distance FOV IFOV IFOV Minimum focus distance FOV IFOV Minimum focus distance FOV IFOV IFOV Minimum focus distance FOV IFOV Minimum focus distance	Standard lens   21°* 15.6°   1.13mrad   0.3m   15mm   29°* 22°   0.78mrad   0.1m   21.6mm   30°* 22°   1.3mrad   0.3m   13mrad   0.3m   13mm   25°* 18.7°   0.68mrad   0.3m   25mm   28°* 21°   3.06mrad   0.1m	Wide-angle lens   42°* 31.2°   2.07mrad   2.07mrad   0.3m   8.2mm   45°* 34°   1.21mrad   0.3m   14mm   47°* 35°   2.125mrad   0.3m   8mm   39°* 29°   2.125mrad   0.3m   8mm   50°* 37.5°   5.43mrad   0.1m	Telephoto lens   10°* 7.4°   0.57mrad   1m   -30mm   18°* 13°   0.49mrad   1m   35mm   15°* 11°   0.68mrad   2m   25mm   0.68mrad   2m   25mm   0.58mrad   2m   35mm	Super wide-angle lens - - 92°* 74° 2.93mrad 0.3m 5.8mm 91°* 71° 4.59mrad 0.3m 3.7mm 76°* 59° 4.59mrad 0.3m 3.7mm - - -



#### **Company Introduction**

FOTRIC, a global leader in industrial thermal camera manufacturing, is at the forefront of industrial innovation with a significant presence globally. Our expertise extends beyond the mere production of thermal imaging technology; we are dedicated to empowering professionals to work smarter, safer, and faster. Our company slogan, 'Connecting the digital future,' encapsulates our commitment to revolutionizing industries through advanced technological solutions.

Central to our business is a profound understanding of our customers' needs, fostered through meaningful partnerships with distributors worldwide. We serve a diverse range of sectors, including building inspection, electrical utility inspection, R&D, oil and gas, manufacturing, and predictive maintenance. Our solutions, crafted to address specific industry challenges, not only leverage the finest thermal imaging technology but also incorporate a robust user experience with the latest technological advancements.

Our unwavering dedication to innovation has propelled our company since its inception. We consistently integrate state-of-the-art technology into our products:

2013: Embraced Android for agile software development. 2017: Incorporated cloud architecture for intuitive online data management. 2019: Integrated artificial intelligence, adding advanced features such as voice command and text recognition.

2022: Harnessed the power of deep learning for object recognition and automated diagnostics.

2023 Milestone: Expanded our portfolio by introducing acoustic cameras, significantly enhancing our comprehensive industrial solutions.

Our extensive network, spanning over 50 countries including the US, Canada, Germany, UK, Latin America, and South East Asia, is a testament to our commitment to delivering global solutions. We prioritize efficiency without sacrificing quality, enabling us to offer best-in-class products at competitive prices.

Our mission is steadfast: to forge long-term, mutually successful partnerships, driven by our determination to address our clients' challenges with cutting-edge solutions. At FOTRIC, we do more than create technology; we are shaping a smarter, safer, and more interconnected digital future.

# Innovation Excellence Integrity

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