





Hand-Held More Convenient I Longer Time Online More Professional Analysis I Faster Sharing

FOTRIC 220



R&D user's measurement scene is complex and varied, including not only temporary detection tasks, but also lots of continuous sampling tests (such as trend analysis, reliability test, destructive testing, etc.), and continuous sampling tests may reveal more valuable data.

R&D users often face a dilemma when choosing a thermal camera: They may select a handheld thermal camera but cannot perform continuous sampling tests or they may select an online thermal camera, but lack flexibility.

The FOTRIC 220 series thermal camera makes the selection no longer difficult. It's not just a handheld thermal camera, but also an online thermal camera. It is more competent in long-term data sampling tests.



Fotric 225 Resolution: 320 × 240





Hand-Held Is More Convenient

Smartphone Full Touchscreen Operation

Easy-to-learn smartphone touchscreen APP user interface, ultra-simple operation, and ready to use.

Fully-Radiometric Short Thermal VideoStream To Capture More Details

A smartphone connected with a FOTRIC thermal camera can record directly up to 1,000 frames of fully radiometric video and capture temperature change processes in real-time with a user-defined sampling rate (up to 5 frames per second). It can automatically collect data without a PC.

Analyze The Thermal Image And Video Conveniently On The Smartphone

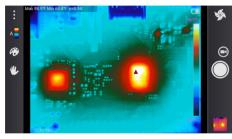
The FOTRIC 220 series supports the instant analysis of the thermal image and thermal video on the smartphone, which is convenient after the thermal image or thermal video is recorded.

Flexible Sub-regional Emissivity Setting And Professional Temperature Measurement Parameter Correction

The different emissivity of each sub-region can be set to achieve an accurate temperature measurement of different material. At the same time, transmissivity, test distance, etc. can be set to ensure the accuracy of the temperature.

Long Battery Life And No Worry Of Frequent Charging

The low-power design gives FOTRIC thermal camera more than 10 hours of battery life, to ensure a full day without interruption, allowing users to focus on work.



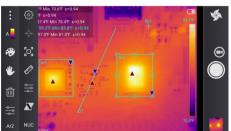
Full Touchscreen APP User Interface



Customize Sampling Rate



Instant Analysis Of Thermal Image On The Smartphone



ROI Emissivity And Parameter Setting On The Smartphone



10 Hours Battery Life Of The Thermal Camera

m www.fotric.com



Associate Thermal Image With Detected Object Automatically For Easy And Efficient Data Management

FOTRIC thermal camera can scan the equipment QR code and automatically tag thermal images, thus avoiding cumbersome, inefficient and erroneous manual entry.

Instantly Share Thermal Images/Videos Through Favorite Channels

Rapidly share field data with colleagues and solve field problems with remote diagnosis through your favorite channels such as Message, Facebook, LinkedIn, Twitter, etc.



Longer-Time Online

High-Quality Product With Longer Time Online

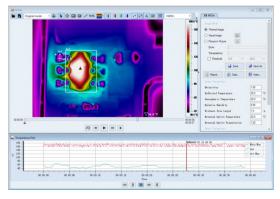
FOTRIC 220 series thermal cameras use expensive, high-end, and long-term work electronic components to ensure long-time normal operation and maintain long service life. With the bypass power supply design, FOTRIC thermal camera can work long-term without interruption under the external power mode.

Fully Radiometric Thermal Video Stream

FOTRIC 220 series thermal camera works with professional PC software, AnalyzIR, to record fully radiometric thermal video. Each frame of the video stream preserves the original temperature of each pixel.



High-end Electronic Component + Professional R&d Test Platform
For Longer-time Online



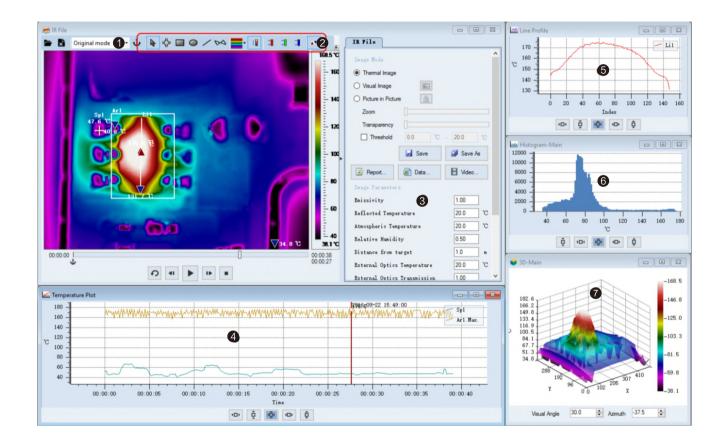
Any Temperature Spot Or Region Can Be Added And A Temperature Vs.

Time Curve Can Be Plotted



AnalyzIR - Professional Analyses Software

FOTRIC Analyzir software is developed to meet the needs of R&D users, from the image, temperature and time of the three-dimensional perspective to analyze the test data. One thermal picture will have more details and process of changes than the conventional equipment maintenance class thermal imager to obtain more in-depth research, more reliable data, and more valuable paper.



Note:

- 1. Original / temperature difference mode
- 2. Spot, line, box, palette, isotherm and other tools
- 3. Pre- and post- sampling temperature correction; support sub-regional emissivity setting
- 4. ROI temperature vs. time curve; ROI+ROI temperature vs. time curve; Overlay comparison of different thermal video curve
- 5. Plot of temperature along the line
- 6. Histogram
- 7. 3-D thermal image



1TB Oversized File, Recording Thermal Data Without Interruption

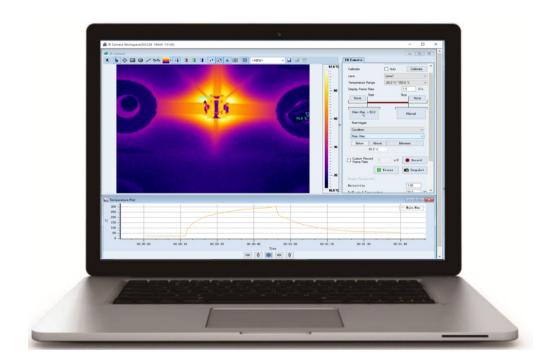
Thermal data collected under the long-term online mode is very large. FOTRIC 220 series companion software, AnalyzIR, supports up to 1TB single fully radiometric thermal video recording, which helps R&D users to record the complete data for the entire experimental process.

FOTRIC Model	Fotric 225	Fotric 226	Fotric 227	Fotric 228
1TB single file recording time (Calculate at 1HZ frame rate)	~84 days	~57 days	~33 days	~20 days

Automatically Collect Data And Free Up Human Resources

Three kinds of automatic data acquisition modes:

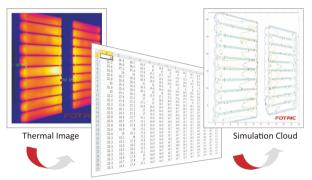
① Time trigger ② Temperature trigger ③ External I/O trigger





Raw Temperature Data Matrix

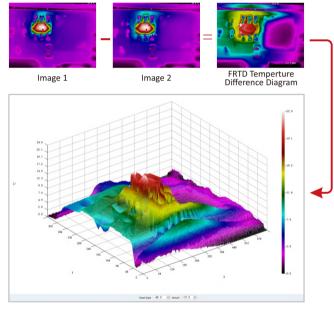
Users can pick up any frame of thermal image, save as a fully radiometric thermal image, and export to the .CSV file containing the original temperature of all pixels. These raw temperature data will help you optimize the algorithm, or use other software to generate a simulation contour map.



Original Temperature Matrix

Raw Temperature Data Matrix Analysis To Reveal Tiny Differences Clearly

Obtain the temperature difference of any two thermal pictures intuitively for faster and more accurate analysis, and generate a more understandable report.



3D Graph

Picture-In-Picture And Picture Fusion Function

Support picture-in-picture (PIP) and picture fusion function; inspect the temperature of a specific area.



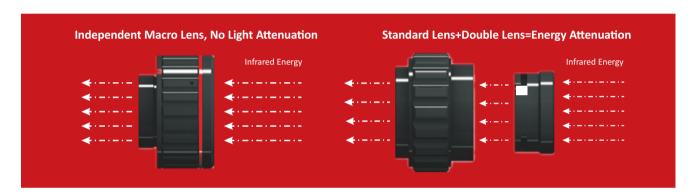
Support Picture-In-Picture And Picture Fusion Function



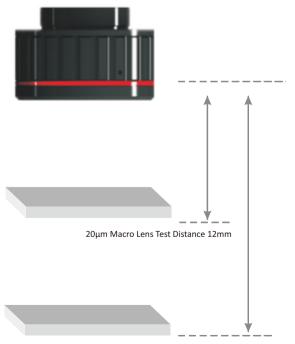
R&D Macro Lens = Independent Lens + Independent Calibration

FOTRIC 220 Series Thermal Camera Is Capable of 20µm Micro Temperature Distribution Measurement.

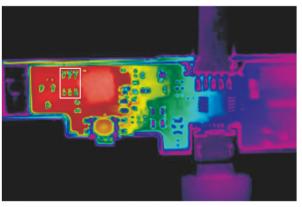
- Independent Macro Lens: No energy attenuation to ensure thermal image quality; while standard lens plus magnification lens increase optical attenuation, reducing the image quality.
- Independent Lens Calibration: FOTRIC's original macro lens is temperature-calibrated in a one-on-one manner with the host thermal camera; temperature accuracy is guaranteed. 50µm Macro lens' test distance 43~55mm. The size of the chip in the white box is about 3mmx1.5mm.



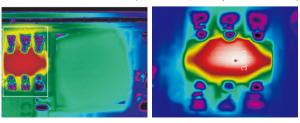
Macro Lens Illustration



50μm Macro Lens Test Distance 43-55mm



Standard Lens 15cm Test Distance(in White Area, The Chip Size 3mmx1.5mm)

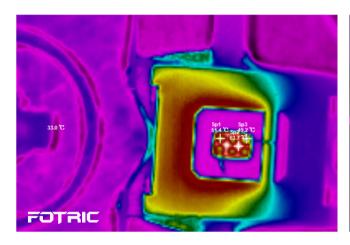


50μm Macro Lens

20μm Macro Lens



Typical Applications

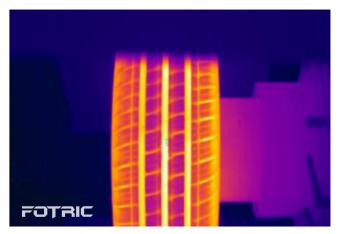


Electronics Industry

Unpacked Chip Internal Temperature Distribution Inspection

Test Difficulty: Single thermal image is not enough for most electronic thermal distribution analysis. It needs to capture the temperature change process and the entire experiment temperature changes, especially for devices as small as a chip.

Solution: For the test of small targets such as chips FOTRIC 226 thermal imager with $50\mu m$ macro lens can be used, or FOTRIC 228 thermal camera with $20\mu m$ macro lens. Through the FOTRIC 220 series software online model and AnalyzIR online analysis function, user can continuously detect the temperature changes and the recordings can also be analyzed later.

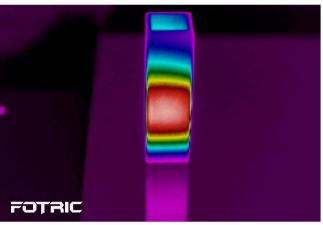


Automobile industry

Fatigue Life Test Of Tire

Test Difficulty: Tire durability test requires a long time monitoring, generally up to 7-10 days, and needs to record the entire process. Impact test requires a higher sampling frame rate.

Solution: FOTRIC 220 series thermal camera has bypass power supply design. It can use external power supply and won't lead to battery heating. The online analysis feature can be connected to PC software to record and analyze the data. User can customize the frame rate for impact test such as 30Hz high frame rate recording, and lower the frame rate in the durability test to reduce the amount of data. FOTRIC 220 series thermal imager supports 1TB single thermal video stream recording, suitable for the recording of long-term online test.

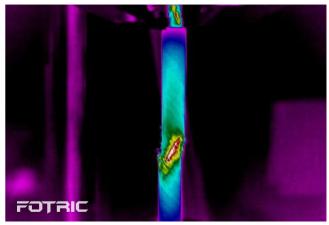


Biomedicine

Targeting Nanomaterials

Test Difficulty: Record the entire experimental process and compare the temperature changes of different test samples.

Solution: FOTRIC 226 thermal camera with B3s universal test bench can be used to observe the temperature changes horizontally in material testing and laterally in vivo experiment. Online analysis function can record the entire experimental process in real-time, and use the superposition of the time-temperature curves for direct comparison of temperature changes between different test samples.



Test Of Material Characteristic

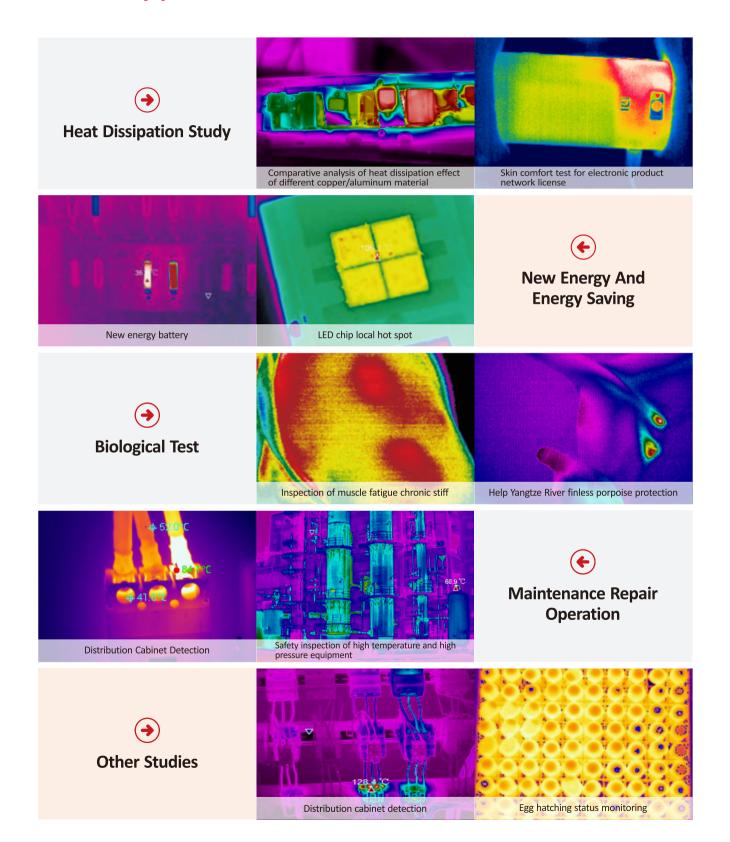
Carbon Fiber Fatigue Test

Test Difficulty: Capture the moment of fracture and record the temperature changes for post-test analysis.

Solution: Rupture moment is a sudden occurrence behavior which can be captured through the long-term online detection. FOTRIC 228 thermal imager with B3s universal test bench can free up the labor and achieve the online monitoring. Through the on-line analysis feature and recording function of AnalyzIR to record the entire temperature process, the trend analysis of temperature vs. time can intuitively show the temperature changes. And the temperature difference model is easy to analyze the temperature rise.



Other Applications





Specifications

	FOTRIC 228	FOTRIC 227	FOTRIC 226	FOTRIC 225	
Infrared Imaging					
IR Resolution	640 × 480 pixels (307,200 pixels) or 1280 x 960 w/ Super-Resolution	512 × 384 pixels (196,608 pixels) or 1024 x 768 w/ Super-Resolution	384 × 288 pixels	320 × 240 pixels	
Field of View (FOV)	28.7°H × 21.6°V	23°H × 17°V	28°H × 21°V	24°H × 18°V	
Temperature Range	-20°C~+650°C (-4°F~+1202°F)				
Minimum Focus Length	0.1m (Standard Lens)		0.15m (Standard Lens)		
Spatial Resolution (IFOV)	0.78mRad, D:S 1282:1 (Std. Lens)		1.27mRad, D:S 787:1 (Std. Lens)		
Thermal Sensitivity (NETD)	≤0.05°C	@30℃	≤0.06℃ @30℃		
Measurement Accuracy	\pm 2 °C or \pm 2% whichever is greater @ Environment Temperature 10 °C ~35 °C			e 10℃~35℃	
Focus	Manual				
Spectral Range	8~14μm				
Detector Type	Focal Plane Array (FPA) uncooled microbolometer				
Zoom	10X continuous digital zoom 8X continuous digital zoom		s digital zoom		
Image Processing					
Palettes	15 palette options (Gray White, Gray Red, Iron Red, Rainbow, etc.)				
Palette Switching	Tap palette icon				
Noise Calibration	Automatic noise calibration FFC / Manual noise calibration FFC				
Measurement And Analysis					
	Emissivity, reflected background temperature, relative humidity, ambient temperature, measuring distance, transmission				
Correction Settings	Emissivity, reflecte			ient temperature,	
Correction Settings Emissivity Adjustment	Emissivity, reflecte		nce, transmission	ient temperature,	
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Video Stream on Smartphone Take fully-radiometric Thermal Video Stream on PC Thermal Image Analysis on Support on site analysis Support on site analysis Support on site analysis Smartphone Image Tagging / Labeling Thermal image can be automatically labelled by scanning QR code or barcode Image Annotation Voice / Text Memos Power Supply Battery Type Rechargeable Lithium-ion Battery Operating Time 10+ hours Charging System AC Power Adapter Charging Voltage 12V DC Charger Environment Operating Temperature 20°C ~+50°C (-4°F~+ 122°F) Storage Temperature -20°C ~+50°C (-4°F~+ 122°F) Humidity < 90%RH Physical Parameters Enclosure Rating IP40 FCC Certification CFR 47 Part 15.107 CFR 47 Part 15.109 Tripod Mounting UNC1/4°-20 Weight ~615g Dimensions (LxHxW) 118×145×93.5mm Warranty 2 years Software And App • FOTRIC AnalyziR, professional computer analysis software FFOTRIC LinkIR, smartphone App Standard Configuration		FOTRIC 228 FC	OTRIC 227	FOTRIC 226	FOTRIC 225
Image Saving Modes Single thermal image / Thermal & digital mix image Take fully-radiometric Thermal Video Stream on Smartphone Take fully-radiometric Thermal Video Stream on Smartphone Take fully-radiometric Thermal Video Stream on PC Support 1TB in software Thermal Image Analysis on Support on site analysis Thermal Video Analysis on Support on site analysis Thermal Video Analysis on Support on site analysis Image Tagging / Labeling Thermal image can be automatically labelled by scanning QR code or barcode Image Annotation Voice / Text Memos Power Supply Battery Operating Time 10+ hours Charging System AC Power Adapter Charging Voltage 12V DC Charger Environment Operating Temperature - 20°C ~+50°C (-4°F~+122°F) Storage Temperature - 20°C ~+50°C (-4°F~+122°F) Humidity - 90%RH Physical Parameters Enclosure Rating IP40 FCC Certification CFR 47 Part 15.107 CFR 47 Part 15.109 Tripod Mounting Weight - 615g Dimensions (LMHXW) 118×145×93.5mm Varranty 2 years Software And App FOTRIC AnalyziR, professional computer analysis software FOTRIC LinkiR, smartphone App Standard Configuration	rofessional Function				
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Physical Parameters Enclosure Rating IP40 FCC Certification CFR 47 Part 15.107 CFR 47 Part 15.109 Tripod Mounting UNC1/4"-20 Weight -615g Dimensions (LxHxW) 118×145×93.5mm Warranty 2 years Software And App • FOTRIC AnalyzIR, professional computer analysis software Standard Configuration	orage Temperature	-20°C ~+50°C (-4°F~+122°F)			
FCC Certification CFR 47 Part 15.107 CFR 47 Part 15.109 Tripod Mounting UNC1/4"-20 Weight ~615g Dimensions (LxHxW) 118×145×93.5mm Warranty 2 years Software And App • FOTRIC AnalyzIR, professional computer analysis software Standard Configuration	umidity	< 90%RH			
FCC Certification CFR 47 Part 15.107 CFR 47 Part 15.109 Tripod Mounting UNC1/4"-20 Weight ~615g Dimensions (LxHxW) 118×145×93.5mm Warranty 2 years Software And App • FOTRIC AnalyzIR, professional computer analysis software FOTRIC AnalyzIR, professional computer analysis software	nysical Parameters				
Tripod Mounting UNC1/4"-20 Weight -615g Dimensions (LxHxW) 118×145×93.5mm Warranty 2 years Software And App • FOTRIC AnalyzIR, professional computer analysis software Standard Configuration	nclosure Rating		IP	40	
Weight ~615g Dimensions (LxHxW) 118×145×93.5mm Warranty 2 years Software And App • FOTRIC AnalyzIR, professional computer analysis software • FOTRIC LinkIR, smartphone App Standard Configuration	C Certification				
Dimensions (LxHxW) 118×145×93.5mm 2 years Software And App • FOTRIC AnalyzIR, professional computer analysis software • FOTRIC LinkIR, smartphone App Standard Configuration	ipod Mounting		UNC1,	/4''-20	
Warranty 2 years Software And App • FOTRIC AnalyzIR, professional computer analysis software FOTRIC LinkIR, smartphone App Standard Configuration	eight		~63	15g	
• FOTRIC Analyzir, professional computer analysis software • FOTRIC Linkir, smartphone App Standard Configuration	mensions (LxHxW)	118×145×93.5mm			
• FOTRIC AnalyzIR, professional computer analysis software • FOTRIC LinkIR, smartphone App Standard Configuration	arranty		2 ye	ears	
Standard Configuration	oftware And App				
	FOTRIC AnalyzIR, profession	al computer analysis software	· FOTRIC I	LinkIR, smartphone App	
TIED AND LIED OTC. II	andard Configuration				
 Thermal imaging camera (built-in battery) Standard infrared lens Lens protective case Power adapter USB to micro USB OTG cable (left angle / right angle) USB to Micro USB-C OTG cable USB to USB cable Hand wrist strap Getting started manual (with warranty card) Calibration certificate 					
Optional Test Bench	ptional Test Bench				
• FOTRIC B3s Universal test bench · FOTRIC Rc2 Rigid carry case for Fotric 220 series · FOTRIC Bg1 Pouch shoulder b	FOTRIC B3s Universal test	ench · FOTRIC Rc2 Rigid carry	case for Fotric 2	20 series · FOTRIC Bg1 I	ouch shoulder bag



Optional Thermal Lens

	Equipment Type	Optional Lens
Total	Fotric 225 (with standard lens and up to 2 optional lens)	L13-225 telephoto lens, FOV 13°×9° L40-225 wide-angle lens, FOV 40°×30° L76-225 wide-angle lens, FOV 76°×57°
	Fotric 226 (with standard lens and up to 2 optional lens)	M50-226 macro lens, resolution 50μm (Calibrated range -20~150°C) M100-226 macro lens, resolution 100μm (Calibrated range -20~150°C) L07-226 telephoto lens, FOV 7°×5° L15-226 telephoto lens, FOV 15°×11° L47-226 wide-angle lens, FOV 47°×35° L91-226 super wide-angle lens, FOV 91°×71°
	Fotric 227 (with standard lens and up to 2 optional lens)	L06-227 telephoto lens,FOV 6°×4.5° L14-227 telephoto lens,FOV 14°×10° L35-227 wide-angle lens,FOV 35°×26° L72-227 super wide-angle lens,FOV 72°×54°
	Fotric 228 (with standard lens and up to 2 optional lens)	M50-228 macro lens, resolution 50μm (Calibrated range -20°150°C) M20-228 macro lens, resolution 20μm (Calibrated range -20°150°C, accuracy ±5°C or ±5%) L08-228 telephoto lens, FOV 8°×6° L17-228 telephoto lens, FOV 17.6°×13.3° L45-228 wide-angle lens, FOV 45°×33.8° L92-228 super wide-angle lens, FOV 92°×76°

FOTRIC B3s Universal R&D Test Bench



R&D Test Bench

FOTRIC B3s (360 degree orientation)

Compatible FOTRIC Thermal Cameras

Fotric 225, Fotric 226, Fotric 227, Fotric 228



FOTRIC 220 series thermal camera used in research papers published on the world's most authoritative magazines, such as Nature and others



ed 23 Apr 2016 | Accepted 12 Sep 2016 | Published 21 Oct 2016

Photothermal therapy with immune-adjuvant nanoparticles together with checkpoint blockade for effective cancer immunotherapy

Qian Chen^{1,*}, Ligeng Xu^{1,*}, Chao Liang¹, Chao Wang¹, Rui Peng¹ & Zhuang Liu¹

ICG-R837, while the DC maturation percentages from mice treated with PLGA-ICG or free R837 (with the same dose) only increased to ~30 or ~35%, respectively. Therefore, PLGA-ICG-R837 analystricles showed even stronger in vivo immunestimulation effect compared with the same dose of free R837, although the two induced similar levels of n vitro DC maturation (Fig. 1d and Supplementary Fig. 3).

DCs upon maturation would secrete various types of cytokines to regulate other types of immune cells³⁰. Thus, in the following experiment, various cytokines including interleakin 6 (IL-6) (an important marker in the activation of humoral immunity), tumour necrosis factor as (TMS-2) (an important marker in the activation of cellular immunity), and interleakin 12 (IL-12p70) (an important marker in the activation of cellular of immate immunity). IEEE consideration of cellular immunity), and interleakin 12 (IL-12p70) (an important marker in the activation of cellular immunity). IEEE consideration of the cellular immunity in the cellular immunity in the cellular immunity in the cellular immunity in the cellular immunity. IEEE cellular immunity is the cellular immunity in the cellular immunity is the cellular immunity in the cellular immunity is the cellular immunity. IEEE cellular immunity is the cellular immunity is the cellular immunity. IEEE cellular immunity is the cellular immunity is the cellular immunity. IEEE cellular immunity is the cellular immunity is the cellular immunity. IEEE cellular immunity is the cellular immunity is the cellular immunity. IEEE cellular immunity is the cellular immunity is the cellular immunity. IEEE cellular immunity is the cellular immunity is the cellular immunity is the cellular immunity. IEEE cellular immunity is the cellular immunity is the cellular immunity is the cellular immunity. IEEE cellular immunity is the cellular immunity is the cellular immunity is the cellular immunity. IEEE cellular immunity is the cellular immunity is the cellular immunity is the cellular immunity. IEEE cell

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PLGA-ICG-R837 nanoparticles designed in our system is an effective immune-stimulator. It has been reported that many other ablative tumour treatments such as hyperthermia, photodynamic therapy and cryoablation will induce strong tumour-specific immune responses⁶¹⁻⁶⁰. Therefore, we wonder if photothermal therapy with our PLGA-ICG-R837 could trigger further enhanced immunological responses. Firstly, in vitro experiments verified that the residues of 471 breast of 471 breast



PEGylated Au@Pt Nanodendrites as Novel Theranostic Agents for Computed Tomography Imaging and Photothermal/Radiation Synergistic Therapy

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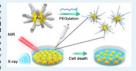
Printable Electronics Research Centre, Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences, Suzhou 215122, China

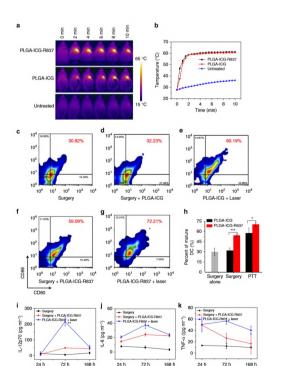
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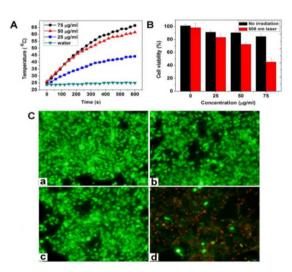
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ABSTRACT: The integration of photothermal therapy (PTT) with radiation therapy (RT) in a single nanoscale platform is believed to have considerable potential for cancer therapy. In this work, the rationally designed PEQ/stated Au@Pt anadoendrates (NDs) have been developed as a novel X-ray computed tomography (CT) and PTI/RT enhanced theranostic agent for cancer therapy. The absorption of Au@Pt NDs was turned to the near-infrared region with the growth of Pt nanobranches and thus enhances the efficacy of PTT. Furthermore bestone of the high enhanced lethal effects of RT by inducing a highly localized radiation dose within cancer cells. More importantly, the combination of Au@Pt ND-enhanced RT with PTT suppressed cancer cell growth more efficiently than that RT or PTT alone did, indicating a synergistic effect. Meanwhile, the Au@Pt NDs also possess significantly is CT and PTI/RT of cancer cells with mild laser and radiation. Because of these advantages, Au@Pt NDs have become and effective agents for cancer theranostic.

KEYWORDS: Au@Pt nanodendrites, computed tomography, photothermal therupy, radiotherapy, synergistic effect







Additionally, in comparison with rare earth and bismuth nanomaterials, Au and Pt nanomaterials have higher bio-compatibility both in siter and in since. ²⁵⁰ Moreover, Au and Pt nanomaterials also exhibit good photostability and, high photosthermal conversion efficiency in PTF for cancere. ²⁵⁰⁰ It has also been proven that hybrid bimetallic nanoparticles exhibit optical and chemical properties better than those of single-element-containing nanoparticles. ²⁵⁰² Therefore, we help of the properties held of the properties better than those of single-element-containing nanoparticles. ²⁵⁰³ Therefore, we have a single-element containing nanoparticles. ²⁵⁰⁴ Therefore, we have a single-element nanoparticles. ²⁵⁰⁴ Ther

photohermal effect of the synthesized Ana@Pt NDs. 1 mls. a solutions containing different concentrations (0, 25, 50, and ml.) of Ana@Pt NDs were irradiated under an 808 ml naser at a density of 1 Wenn' for 10 min. And JR bermal camera (Foric was used to record the temperature of the solution at each time 25. Cellular Uptake Assays. To determine the civillar up Ana@Pt NDs, the 4T1 cells were plated on a six well plate and contained to the control of the control of the control of the incubation in culture medium. At a determined time, PIS was wash the cells three times. A certain number of cells were colle



Infrared Thermal Imaging Technology is the conversion of invisible infrared energy emitted from objects to visible thermal images through infrared detectors and optical imaging lenses. The different colors on the thermograph represent the different temperatures of the measured objects, so that the high/low temperature points and the temperature distribution can be judged intuitively and quickly. And FOTRIC, as a brand that focuses on Infrared Thermal Imaging Technology, comes from the following: FO is the abbreviation of the English word PHOTON that represents light, and TRIC is the abbreviation of the English word ELECTRIC.

FOTRIC is dedicated to the research and innovation of Infrared Thermal Imaging Technology. It integrates Internet-based thermal big data platform to optimize the user experience and improve the work efficiency. FOTRIC established the "Infrared Photoelectric Technology Application Laboratory" in cooperation with the Wuxi Research Center of Shanghai Technical Physics Institute of the Chinese Academy of Sciences, as well as launched the "Academician's Expert Workstation" by the academician of the Chinese Academy of Science and Technology in the field of infrared and remote sensing. It has dozens of core invention patents and software copyrights in the mobile Internet and intellectualization of infrared thermal imaging system, along with the global ISO:9001 quality system certification, the US FCC Test, and the CE Test, it is a High-Tech Enterprise.

- In 2012, FOTRIC launched a large-scale network monitoring thermal imaging system, and developed its first thermal image monitoring APP, which leads to the integration of thermal imaging technology and the internet;
- In 2013, FOTRIC developed its advanced professional thermal imager based on Android smartphone;
- In 2014, FOTRIC launched an intelligent fire-detect thermal camera, which can independently complete the analysis of fire alarm and link them to the fire system. It won the innovation fund of the State Ministry of Science and Technology;
- In 2016, the 2ndgeneration smartphone based thermal imager FOTRIC 220 series was greatly praised by users, winning the first of the thermography image competition in the electric category of the American IR/IFNO 2018.
- In 2017, based on internet cloud thermal camera, the Fotric 123 was released at CES in the USA. This innovated device provided the simplest user operations as the Internet cloud-based thermal camera.
- In 2018, FOTRIC launched the new Cloud-Based Thermal Imager, named"Fotric X Series." This series is based on the PdmIR thermal image data management system, with built-in industry standard and expert expertise, not only can it displays the temperature rising trend in real time, but also can generate the report by one-click. This strategic series will greatly reduce the user's data processing timing cost and studying cost; it has created a very innovative portable intelligent thermal imager category.
- In 2019, FOTRIC X has been awarded as the winner for 2019 iF Awards.

FOTRIC has its headquarter in Shanghai, China, along with Beijing, Wuxi, Ji'nan and Xi'an for branches. FOTRIC have developed distributors in more than 10 countries and regions, such as South America, UK, Europe, South Korea, India, Singapore, and Australia, for a sound sales channel and technical support network to serve global customers. In January 2015, the company was officially listed on the new third board (stock code: 831598) and became a public company with a standardized operation.

The Mission: Improve efficiency and ensure safety

The Vision: Open up the thermal world for 123,456,789 people

The Values: Innovation, extraordinary, and integrity

Since 2018, FOTRIC has conducted in -depth strategic cooperation with national TVs, includes CCTV-10, Hunan Satellite, Shenzhen Satellite, to promote the infrared thermal imaging technology to the public to achieve its vision.



FOTRIC Precision Instruments

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