

PF Series Pocket-sized Thermal Camera

Introduction

The PF Series pocket-sized thermal camera is a non-contact inspection tool for diagnosing problems and finding hidden deficiencies of electrical equipment, thanks to its 256×192 pixel infrared detector, -20°C to 550°C temperature range, 5 MP visible light camera and 3.5-inch LCD touchscreen. The extraordinary thermal imaging detail, easy operation and built-in Wi-Fi allow users to quickly and easily share the professional reports that document the problem.

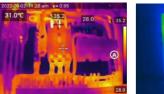
Guide

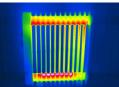
PF210 FC (E

Features

- The 256x192 infrared detector produces crisp imagery
- The IR, VIS, PIP and MIF reveal temperature details
- -20°C to 550°C temperature range with auto-switching capability
- Laser ranging and intelligent area calculation of rectangle objects
- Fast image lookback and search for desired functions
- 4 hours of operation and standard Type-C for fast charging

Applications





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Electrical Application

HVAC Inspection

Specifications

Imaging and opticsDetector typeVOx, 7.5 to 14µmInfrard resolution256-112/212µmNETD45mKFrame rate2514/19/412Frame rate2514/19/412Frame rate2514/19/412Focal length3.2mmField of view56×48°IFOV3.7mmadIFOV3.7mmadMn. Object distance0.3mDigital zoom266-1Focusing mode700×1670Mesourcent accuracy2.2°C to 150°C, 100°C to 550°CMesourcent accuracy2.2°C to 12%, whichever is greaterAnalyzed targetSupport auto-swhiching-20°C to 150°C, 100°C to 550°CMesourcent accuracy2.2°C to 12%, whichever is greaterAnalyzed targetSupport auto-swhiching-20°C to 150°C, 100°C to 550°CAnalyzed targetSupport auto-swhiching-20°C to 150°C, 100°C to 550°CMesourcent accuracySupport auto-swhiching-20°C to 150°C, 100°C to 550°CMesourcent accuracySupport auto-swhiching-20°C to 150°C, 100°C to 550°CMesourcent accuracySupport auto-swhiching-20°C to 150°CMesourcent accuracySupport auto-swhiching-20°C to 150°CMesourcent accuracySupport auto-swhiching-20°C to 150°COthersCoracy auto-swhiching-20°C to 150°CUnder accuracySupport auto-swhiching-20°C to 150°CUndera	Product model	PF210
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External interface USB-C, Tripod socket WIFI Yes, it can be connected to the mobile terminal for image transmission Power system Battery type Battery type Rechargeable lithium-ion battery, non-removable Operating time 4 hours Charging mode USB-C charging; PC/portable charger; Capable of charging while using Charging mode USB-C charging; PC/portable charger; Capable of charging while using Charging time 90% of full charge in 2.5 hours Environmental parameters 90% of full charge in 2.5 hours Working temperature -10°C to 50°C IP rating IP54 Drop 1m drop test Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Illuminator Hardware Illuminator Weight 296g Size 138 × 89 × 34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)	Storage media	Built-in (16 GB)
WIFI Yes, it can be connected to the mobile terminal for image transmission Power system Battery type Rechargeable lithium-ion battery, non-removable Operating time 4 hours Charging mode USB-C charging; PC/portable charger; Capable of charging while using Charging time 90% of full charge in 2.5 hours Environmental parameters Vorking temperature Working temperature -10°C to 50°C IP rating IP54 Drop 1m drop test Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Illuminator Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)	Image storage	JPG with temp info
Power system Battery type Rechargeable lithium-ion battery, non-removable Operating time 4 hours Charging mode USB-C charging; PC/portable charger; Capable of charging while using Charging time 90% of full charge in 2.5 hours Environmental parameters 90% of full charge in 2.5 hours Working temperature -10°C to 50°C IP rating IP54 Drop 1m drop test Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Illuminator Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)	External interface	USB-C, Tripod socket
Battery type Rechargeable lithium-ion battery, non-removable Operating time 4 hours Charging mode USB-C charging; PC/portable charger; Capable of charging while using Charging time 90% of full charge in 2.5 hours Environmental parameters 90% of full charge in 2.5 hours Working temperature -10°C to 50°C IP rating IP54 Drop 1m drop test Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Illuminator Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)	WIFI	Yes, it can be connected to the mobile terminal for image transmission
Battery type Rechargeable lithium-ion battery, non-removable Operating time 4 hours Charging mode USB-C charging; PC/portable charger; Capable of charging while using Charging time 90% of full charge in 2.5 hours Environmental parameters 90% of full charge in 2.5 hours Working temperature -10°C to 50°C IP rating IP54 Drop 1m drop test Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Illuminator Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)	Power system	
Operating time 4 hours Charging mode USB-C charging; PC/portable charger; Capable of charging while using Charging time 90% of full charge in 2.5 hours Environmental parameters 90% of full charge in 2.5 hours Working temperature -10°C to 50°C IP rating IP54 Drop 1m drop test Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Illuminator Hardware 118×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)		Rechargeable lithium-ion battery, non-removable
Charging mode USB-C charging; PC/portable charger; Capable of charging while using Charging time 90% of full charge in 2.5 hours Environmental parameters Working temperature -10°C to 50°C IP rating IP54 Drop 1m drop test Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Illuminator Hardware Illuminator Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)		
Charging time 90% of full charge in 2.5 hours Environmental parameters Working temperature -10°C to 50°C IP rating IP54 Drop 1m drop test Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Illuminator Hardware 118 × 89 × 34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)		
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Working temperature -10°C to 50°C IP rating IP54 Drop 1m drop test Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Hardware Illuminator Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)		
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Drop 1m drop test Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Illuminator Hardware Illuminator Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)		
Certification CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS Physical parameters Hardware Illuminator Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)	-	
Physical parameters Hardware Illuminator Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)	•	
Hardware Illuminator Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)		CL, FOO, NOTO, NO, Analei, IF 34, TH Grop lest, Damp near lest, Vibration lest, Snock lest, Impact lest, UN38.3, MSDS
Weight 296g Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android) A device. Wriet strap. Carrying bag, Quick Start Guide. Power adapter: Adapter plug, USB-0 to USB-0 Cable. Data download		00
Size 138×89×34mm Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)		
Software kit PC: ThermoTools; Mobile: Thermography (iOS/Android)		
A device Write strap, Carrying bag, Quick Start Guide, Power adapter, Adapter plug, USR-A to USR-C Cable, Data downlo		
A device, Wrist strap, Carrying bag, Quick Start Guide, Power adapter. Adapter plug, USB-A to USB-C Cable. Data downlo	Software kit	
Standard card, Certificate of approval	Standard	
Options Tripod	Options	bogiT