



Price/Performance leader



-  256 x 192 Pixel
-  25 Hz frame rate
-  Temp accuracy within 2%
-  Super clear images thanks to AI

Brands

InfiRay

Producer no.

C200PRO+

Article no.

INY1003ZZ

EAN / GTIN

6973202306031

MRP

569,00 €

- Handheld Thermal Imaging Camera with 256x192 Pixel, 25Hz frame rate, temp range -20 to +550 C
- Unbeatable accurate temperature readings allow for only +/- 2 percent or +/- 2 degrees variance
- Pixel Pitch 12um, Thermal Sensitivity <40mK, Field of View 56x42 degrees
- Including 32GB SD card, storage bag, USB cable
- Pictures and Videos downloadable, Analysis software (Win) on PC, automatic turn-off

InfiRay C200 Pro+ ist a new performance leader, comparable to cameras up to 1500 EUR. The InfiRay C200+ series handheld thermal cameras, with a 40mK high-sensitivity 256×192 infrared detector, combined with the Matrix IV artificial intelligent image algorithm, offers you clearer thermal images than ever before, comparable to thermal cameras with higher resolutions.

NEW CPU USES ARTIFICIAL INTELLIGENCE ALGORITHM: The C200+ is driven by a brand new CPU. The product uses Matrix IV - the new fourth-generation infrared image processing algorithm - to generate AI-based thermal images, making object details clearer and crisper than ever before. Pictures and videos can be simply downloaded to any computer (PC or Apple) per

USB-Cable (included).

PROFESSIONAL FEATURES: The product is equipped with professional features such as a new 500nit bright screen for reading even in direct sunlight, automatic range, 2×/4× digital zoom, built-in video taking.

ANALYSE IMAGES ON ANY PC: Pictures taken are compatible with InfiRay's remote analysis software for PCs (Windows OS only) as well as an analysis applications for mobile devices. A colleague across the world can analyse an image's temperature pixel by pixel with the software (free download from the InfiRay website).

ROBUST AND QUICK: Rugged (IP54), intuitive to use (just view screen and squeeze trigger for a picture), and quick to deploy (ca. 6 second start-up time). A protective carrying case is included.

The Professional grade features cater to all industrial control scenarios. The 40mK professional-grade high sensitivity captures minor temperature differences. Application Fields include: Electrical maintenance, Equipment inspection, HVAC, leak detection, Automotive maintenance, Insulation effectiveness, cold / hot leaks, heat detection for manufacturing processes.

Specifications:

Infrared Resolution: 256 x 192 pixel

Infrared Frame Rate: 25Hz

Pixel Pitch: 12um

Thermal Sensitivity: <40mK

Field of View: 56x42 degrees

IFOV: 3,8 mrad

Minimum Imaging Distance: 10cm

Visible Light: 200W

Temperature Analysis on screen: Central / Highest / Lowest / 3 custom temperature points

Measurement Accuracy: ±2% or ±2°C (the larger one shall prevail)

Measurement Unit: Celsius, Fahrenheit, Kelvin

Emissivity Settings: 0.01-1.0 adjustable, step size: 0.01

Screen: 2.8 in. LCD (320×240) screen brightness 500nit

Image Mode: Infrared

Color Palettes: White hot, black hot, iron red, rainbow, high-contrast rainbow, black red

Super Resolution: Support on PC client

Digital Zoom: 2×/4×

Timed Photographing: Supported (including temperature data)

Video Taking: Supported (MP4, OSD)

Temperature Alarm: Highest/lowest temperature alarm in full frame area

Alarm Type: Image pop-ups, flash prompts

Auto Snapshot at Alarm: Supported (including temperature data)

Language: English, Japanese, Polish, Russian, Korean, Hungarian, Bap, German, French, Spain, Italy, Turkey, and Traditional Chinese

Video Transmission: UVC wired screen projection and real-time analysis (for C200+ and PRO+)

only)

PC-End Analysis Software: Supported on Windows PCs Mobile App

Auto Shut-Down: Adjustable (automatic shutdown, 5 min, 10 min, 20 min)

Screen-off: Screen on/off with short press of the power button

Shutdown Duration: ca. 2 seconds

Startup Duration: ca. 6 seconds

Memory Card: 32GB MicroSD card included, expandable to 128GB

Fill-in Light: Lighting and flash modes

Shutdown Charging Display: Supported

Charging Time: 4 hours if shut down

Operating Time: up to 15 hours

Wi-Fi: wireless screen projection (excluding temperature data) to connected device

Tripod Mounting Hole: Supported

Weight: 520 g

Dimensions: 237mm x 75mm x 92mm

Operating Temperature: -10 to +50 degrees C

IP Grade/Drop Protection: IP54 (drop-protected up to 2 meters)

Packing List: Thermal Imager, USB cable, 32GB SD card, user manual, storage bag