



The ThermaCAM® EX320 has a true, built-in 320 x 240 pixel array, giving you four times the resolution of any IR camera in its size and price range, and making it the first, low cost, ultra portable infrared camera to provide such detailed imaging and superior performance.



- > Best Image Quality
- > Robust Post Processing Capabilities
- > Interchangeable Optics
- > Built-in Laser LocatIR™
- > Easy-view 2.5" Color LCD
- > One-touch Digital Zoom 2x 4x
- > Easy-to-use
- > 320 x 240 Pixel Array for Optimal Accuracy



Best Image Quality

The EX320 features the highest resolution and image quality available in a handheld infrared camera. The built-in 320 x 240 pixel array provides 76,800 picture elements in each image – for unsurpassed image clarity – highlighting even small intricate targets in fine detail.

One-touch Digital Zoom

The EX320 boasts a built-in, one-touch digital zoom, to magnify targets without any loss of image clarity.

Most Accurate Temperature Measurement

The EX320 is the most accurate lightweight, handheld IR camera on the market today. Using the world's best infrared detector material, vanadium oxide, the EX320 sees temperature differences as small as 0.08°C and provides 76,800 picture elements in each image.

Lightweight, Rugged & Ergonomic

The EX320 is built tough for hard work in the field and in all weather conditions and industrial environments — a critical design capability. Dust and splash proof, the EX320 meets IP 54 standards. Unlike other cameras that might be “lab calibrated,” the EX320 won't seize-up in freezing cold, extreme heat or other harsh conditions. Its exclusive Ambient Temperature Compensation (ATC) technology assures accuracy under the most challenging ambient temperature conditions.

Download and Document

Download thermal images with measurements to your PC quickly with ThermaCAM QuickView™ software and standard USB or serial cables. Document your findings simply by inserting the JPEG images into your favorite word processing program.

Flexible JPEG Image Storage with Post Processing

Store and recall more than 80 calibrated thermal images using the camera's on-board memory. The EX320's radiometric JPEG image format allows you to go back to any image at any time to add and move spots, measure temperatures, and perform analysis you may have missed in the field.

View Sensitive Thermal Images

A maintenance-free, state-of-the-art uncooled FPA infrared detector produces crisp thermal images that reveal subtle temperature variations that can signal electro-mechanical problems. The EX320 can detect problems before they become critical, helping you increase safety, reduce production downtime, and eliminate potential fires.

Pinpoint Problems with Precision

The built-in Laser LocatIR™ projects a bright red dot on the target that enables you to associate the IR image with the real physical target. This feature greatly enhances worker safety by eliminating the tendency to “finger point” at problems in potentially hazardous electrical environments.

Interchangeable Optics

EX320 optional lenses are; telescopic – ideal for inspecting distant targets such as overhead power lines, and wide-angle – more than doubles the standard field-of-view, for evaluating large objects from a short distance, such as roofs and electrical panels.

Smart Power Management

Lightweight, longlife Li-Ion batteries assure uninterrupted inspections. The EX320 includes an external 2-bay battery charger and an internal battery charger. A 12 VDC car/truck charger adapter is also available.



Infrared can accurately and quickly locate faults before failures, shutdowns, or even fires occur.

