

Gen IV FIRE / Next Generation Compact Thermal Imager



ISO 9001:2000 RoHS FCC Verified

The Cochran Gen IV FIRE Compact Thermal Imager has more features, functions, and capability than ANY other, yet remains easy to use. Advanced technology enables outstanding image sharpness and detail. For a complete list of features and functions, please visit our Website at www.Cochran-imagers.com



The COCHRAN Gen IV FIRE compact thermal imager is the smallest and lightest compact thermal imager on the market, and is designed to meet the imaging needs of fire fighters in all situations. The unique design of the Gen IV FIRE thermal imager enables "hands free" operation with virtual reality viewing, which means that the user sees objects in the same perspective as reality – a door that is 3 feet in front of the user appears as a door three feet in front of the viewer. The image is picked up through a centrally mounted camera, and even in the thickest smoke and with the face visor entirely covered, the image seen by the wearer remains undiminished in quality.

The Cochran Gen IV FIRE compact thermal imager protects the fire fighter by reducing his overall exposure time. If the fire fighter needs to make a rapid exit, windows and doors can be seen. Thick smoke no longer affects the ability to locate victims, equipment, hot spots or exits. With the hands-free design, both of the firefighter's hands are free to handle equipment or rescue a victim. The Cochran Gen IV FIRE captures and internally stores images at user-selectable rates. Stored at one second intervals is a plethora of Mission data such as Ambient and Image temperatures for up to 10,000 hours. The unit interfaces with a personal computer and downloads this data and images for review.



INTERNATIONAL



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Also from its Texas facility, Cochran has designed, manufactured, and sold world-wide, state-of-the-art underwater products for everyone from recreational divers to Navy Seals for years. Cochran Dive Computers are the ONLY ones certified for use by the U.S. Navy. Cochran is ISO 9001:2000 certified.



Cochran Gen IV FIRE – Specifications

Weight: Imager 13.5 oz – battery pack 8 oz

Unit Size: 2.5 x 3.5 x 4.6 inches (63.7mm x 89.2mm x 117.3mm)

Image: Advanced image processing enhances the resolution of the advanced thermal engine for unusual sharpness and clarity

Sensitivity: Capable of detecting human activity up to 330 ft (100 meters)

Battery Life: up to 10 Hours on the two supplied battery packs. Rechargeable on world wide voltages or 12 VDC. Airline safe – won't burn or explode

Internal Data Storage: up to 10,000 Hours at a one-second sampling rate. Interfaces with a personal computer using Cochran Imager Analyst[®] Software

Internal Image Storage: up to 10,000 Images

Displayed Information: User configurable to select different color palettes, magnification, white hot-or-black hot, and image capture interval; battery life remaining displayed in hours/minutes, temperature bar graph, elapsed mission time, date/time stamp for video recording. On-screen menu system for ease of use.

Optional Portable Video Transmitter and monitors.

Color: non-reflective red

The Cochran family of Thermal Imagers offers safety, performance, and reliability capabilities available on no other commercial imager. Cochran Imagers are designed, manufactured, and supported in our ISO 9001:2008 certified and MED certified factory in Texas. Cochran Imagers are RoHS compliant and are manufactured to the same rigorous standards as our U.S. Navy products. Units are tested to meet the new NIOSH 2010 standards for temperature.

The Cochran state-of-the-art Thermal Imagers have numerous unique capabilities, among them are:

- *The smallest and lightest imager minimizes user fatigue from carrying heavy bulky handheld units.*
- *Imager has binocular viewing so it can be used in the same way as a pair of visual binoculars. The unique eye-cups eliminate ambient light from affecting the image and also prevents screen illumination from escaping outside of the imager.*
- *Unique eye-cups and strap allows the unit to be affixed to a face shield allowing for hands-free operation. No longer is a Firefighter turned into a Cameraman. Having the same Firefighter wear the Imager and manage the nozzle puts out a fire substantially faster.*
- *Unlike other units, the Cochran Imager and eye-cups with Ambient Light Shield permits the user to see ethanol and other transparent flames during high ambient light.*
- *The Cochran Thermal Imager internally holds four different user selectable color maps, for applications from firefighting, to search and rescue, to pandemic assessment, etc.*
- *Imager software allows the user to customize maps that are mission specific and store them in the imager then select prior to or during a mission the desired map.*
- *Included with the Imager is PC Software that lets the user develop their own Color Maps or download other maps from the Cochran Website.*
- *Massive internal data storage can capture over 10,000 images at a rate of up to 30 frames per minute.*
- *Other data such as Ambient Temperature, Spot temperature, and compass headings are captures at a rate of once per seconds up to 20,000 samples.*
- *The Included Electronic compass allows user to orientate themselves before during and upon completion of the mission for added safety. Compass headings during a mission are recorded once every second and are correlated to images automatically recorded. Compass heading during firefighting and search/rescue greatly enhances safety.*
- *Standard on the Cochran Imagers is a Video Output which can be connected to a small (optional) Cochran Transmitter for remote monitoring.*
- *Two independent five hour Cochran Smart Batteries come with each imager, providing ten-hour runtime before recharging. Lithium ion polymer batteries are airline safe and will not explode. Battery records first day of use, number of missions used, date of missions used, length of missions used, number of recharges, and estimated battery life remaining.*
- *The Cochran Smart Battery allows verification of charge time remaining without hooking up to imager which saves valuable time during shift changes. The Smart Battery allows viewing of actual time remaining in hours and minutes instead of just four bars.*
- *Software upgrades are available via the Internet at no additional charge.*

