

Evolution[®] 5200HD² Thermal Imaging Camera



See what you've been missing!



*Digitally zoomed image in
low-sense mode*

MSA
The Safety Company



Proven handheld thermal imaging camera with a high ISDR* for the Fire Service. Best-in-class image quality provides clearer, sharper, larger, more detailed images in all temperatures. With nominal image resolution of 80,000 pixels; 4 times the picture elements of other TICs; 38 μ pixel pitch; 3.5" display. Optional 2X digital zoom, Heat Seeker, and Quick Temp features.

- ➔ Gives you the best unparalleled image in firefighting
- ➔ Shows the highest image definition over the widest temperature range of any Fire Service TIC

- ➔ Offers optional highly functional 2X Digital Zoom for enhanced picture imagery in Fire Service applications like search and rescue
- ➔ Combines today's most advanced technology with a comfortable, time-proven, easy-to-use design

MSA leads the industry in adding new user-friendly features and increasing performance of our TICs while maintaining low lifecycle costs.

Image is everything

Traditionally, in high temperatures, many thermal imaging cameras flash to "low-sense" mode and produce an image of much lower quality. But not MSA's Evolution 5200HD² TIC!

You get:

- Increased image resolution from 80,000 pixels (nominal), with best-in-class image quality from four times the picture elements (four times the information of previous TIC designs)
- 38 μ pixel pitch (smaller pixels), means more pixels and better image quality
- A 3.5" display, larger for better resolution, making it easier for multiple users to see screen simultaneously

- Optional 2x digital zoom that lets you zoom in on areas requiring a closer look



- Twice the Low Sensitivity and image quality in the 320° to 1000°+ F range, for unparalleled imaging
- High Sensitivity with high-image definition over the widest temperature range up to 320° F versus competitors with a temperature range below 200° F.

The Evolution 5200HD²'s ISDR is 4701, so it provides you with a clearer, sharper, more detailed images in all temperatures.

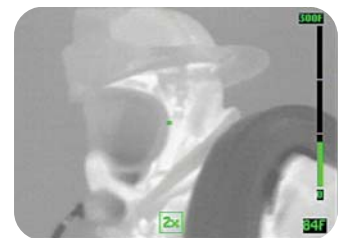
**Instantaneous Scene Dynamic Range is the combined value of a sensor's sensitivity and temperature range to determine the number of temperature differences that can be at the scene at any given instant.*



Visible Light



IR Image



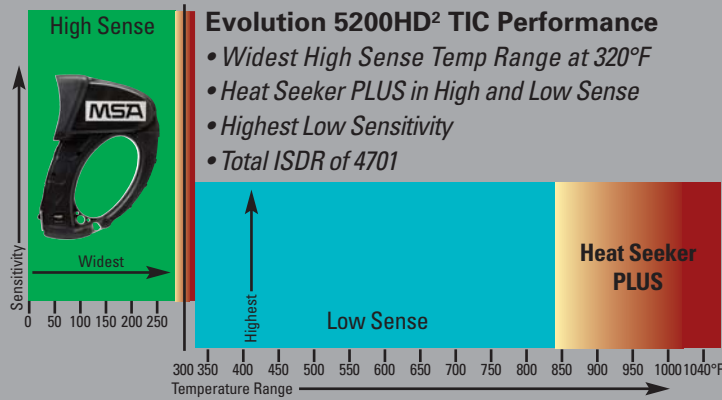
IR 2X Image

Only from MSA

- Heat Seeker PLUS (for image detail shading)
- Instant on
- Instant mode switching
- Warnings on all shutdowns
- Shutter indicator
- Temperature Bar and Digital Temperature
- 32% low sense activation

High and low sensitivity

- Most TICs generate thermal images in either High- or Low-Sense modes, depending on the temperature at the scene. High-Sense mode delivers the best image quality, but has a limited temperature range.
- Only MSA delivers High-Sense image quality up to 320° F, the range that 80% of the time matches the temperatures in most structural fires.
- Limited High-Sense temperature range (on other manufacturers' TICs) means image quality is lost below 200° F. Low Sense then becomes the operating



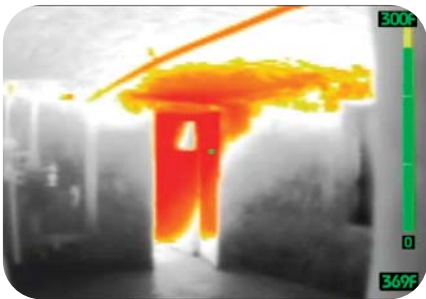
standard, when only a fraction of the total available sensitivity is used.

- Low-Sense mode covers a wider (higher) temperature range.
- Most TICs sacrifice high-sense imagery to make sure they perform in higher temperatures. With the widest range of high sense mode and the highest sensitivity in low sense mode, the Evolution 5200HD² gives you both high quality imagery and wide temperature ranges - there's no sacrifice, just performance!

- In addition, only MSA TICs offer Heat Seeker PLUS color images (which reveal the presence and direction of the fire) in both High and Low Sense modes. Other manufacturers' TICs have no heat-seeking color in High Sense and only limited sensitivity in Low Sense mode. This important tool helps put the Evolution 5200HD² TIC into the best-of-class TIC category.

Image quality

MSA's Evolution 5200HD² TIC's abilities for expanded performance are demonstrated in the following photos. View both images closely.



- The image above is the Evolution 5200HD²'s High Sense mode (indicated by the green temperature symbols).
- The image below is the Evolution 5200HD²'s Low Sense mode (indicated by the blue temperature symbols).



Only MSA's Evolution 5200HD² Series cameras offer such detailed images in BOTH High- and Low-Sense modes.

Consistent operations for training & mutual aid

More and more, the Fire Service is expanding its use of TIC operations and training. Until now, almost every new thermal imaging camera had its own way of displaying temperature, remote transmitter activation, over-temperature warnings, and other TIC functions. This lack of consistency can lead to confusion and need for additional training.

To reduce this confusion, MSA has designed the Evolution 5200HD² with consistency of training built in. Fit, form, and function are the same as the Evolution 5200HD²'s predecessors, the popular Evolution 5200 and 5000 TICs.

The symbols and warnings are the same; color indicators are the same; and operation of both cameras is the same, simplifying training for departments who are familiar with using the Evolution 5200 and 5000 TIC.

Professional training

Expert training on TIC operation and use goes a long way toward developing a solid understanding of a TIC's safety features and functions. Your MSA Fire Service Distributor can recommend TIC training programs from independent and objective organizations to help meet or supplement your department's training needs.

Warranty

A FIRST for the industry: MSA's 2-year camera core warranty.

The camera core is the most expensive component of any TIC, often accounting for up to 75% of the camera's cost. MSA's new 2-year Camera Core Warranty gives TIC users additional warranty coverage where you need it most.

Specifications

See bulletin 3400-68-MC, *Product Specification for the Evolution® 5200HD² TIC* for detailed product specifications on the Evolution 5200HD² Thermal Imaging Camera.

