Evolution® 5200HD² Thermal Imaging Camera

Digitally zoomed image in low-sense mode

See what you've been missing!

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; 38µ 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)
- 38µ 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

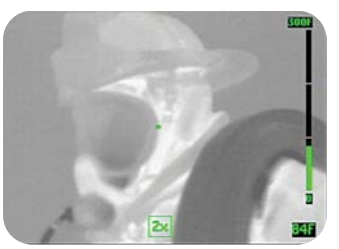
- Twice the Low Sensitivity and image quality in the 320° to 1000°+ F range, for unparalleled imaging
- High Sensitivity with high-image definition over the widest temperature range up to 320° F versus competitors with a temperature range below 200° F.

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

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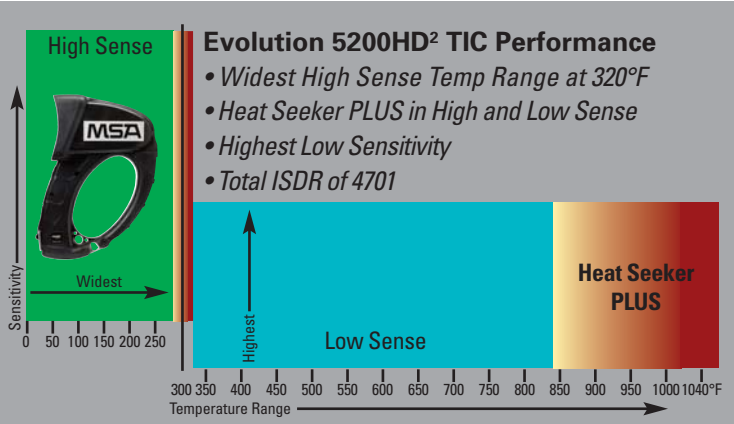
Only from MSA

- 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.

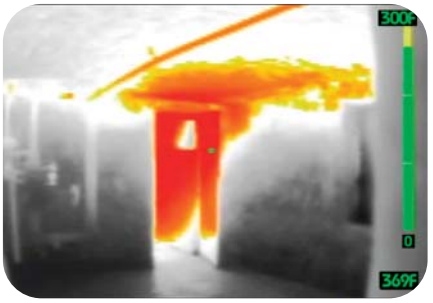


Evolution 5200HD² TIC Performance

- *Widest High Sense Temp Range at 320°F*
- *Heat Seeker PLUS in High and Low Sense*
- *Highest Low Sensitivity*
- *Total ISDR of 4701*

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.

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Ordering Information

Accessories for the E5200HD² TIC	P/N
Charger 110-220V AC with cigarette lighter adapter	*10041100*
Lithium Ion Battery	*10038412*
Vehicle-Mounted Charger	*10067565*
Wrist Strap	*10039516*
Shoulder Strap	*10039515*
Retractable Lanyard	*10040226*

Accessories for the E5200HD² TIC	P/N
Carabiner	*10040005*
Sun Shroud	*10039603*
Reflective Label ID Kit	*10062184*
Disposable Display Covers - Clear	*10038970*
Non-Charging Mounting Bracket	*10067707*
Tripod Adapter	*10040229*
Video Capture System	*10071750*

Description	P/N
Evolution 5200HD² TIC complete with Heat Seeker Plus, Quick-Temp, Standard Charger, two batteries, wrist strap, carrying case, and Reflective Label Kit	10076618
Evolution 5200HD² TIC complete with Heat Seeker Plus, Quick-Temp, Universal Truck Charger, two batteries, wrist strap, carrying case, and Reflective Label Kit	10076619
Evolution 5200HD² TIC complete with Heat Seeker Plus, Quick-Temp, Standard Charger, two batteries, retractable lanyard, carrying case, and Reflective Label Kit	10076620
Evolution 5200HD² TIC complete with Heat Seeker Plus, Quick-Temp, Universal Truck Charger, two batteries, and retractable lanyard	10076681
Evolution 5200HD² TIC complete with Heat Seeker Plus, Quick-Temp, Standard Charger, two batteries, shoulder strap, carrying case, and Reflective Label Kit	10076682

Description	P/N
Evolution 5200HD² TIC complete with 2X Digital Zoom, Heat Seeker Plus, Quick-Temp, Standard Charger, two batteries, wrist strap, carrying case, and Reflective Label Kit	10076683
Evolution 5200HD² TIC complete with 2X Digital Zoom, Heat Seeker Plus, Quick-Temp, Universal Truck Charger, two batteries, and wrist strap	10076684
Evolution 5200HD² TIC complete with 2X Digital Zoom, Heat Seeker Plus, Quick-Temp, Standard Charger, two batteries, retractable lanyard, carrying case, and Reflective Label Kit	10076685
Evolution 5200HD² TIC complete with 2X Digital Zoom, Heat Seeker Plus, Quick-Temp, Universal Truck Charger, two batteries, and retractable lanyard	10076686
Evolution 5200HD² TIC complete with 2X Digital Zoom, Heat Seeker, Quick-Temp, Standard Charger, two batteries, shoulder strap, carrying case, and Reflective Label Kit	10076687

TIC Camera Type	Heat Seeker PLUS	Quick-Temp	Video Accessories	Battery Charging	# Of Batteries	Carrying Attachments	Storage Options	Other Accessories	Custom Features
1 Evolution 5200 TIC NTSC Format (Standard Format in U.S.)	0 No	0 None	0 SMA to BNC Connector	0 None	1 One	0 None-Carabiner Only	0 None	0 None	0 None
2 Evolution 5200HD² TIC NTSC Format (Standard Format in U.S.)	1 Yes	1 Fahrenheit Scale	1 Tripod Mounting Adapter	1 Standard Charger Kit includes 110-220 AC Cigarette Lighter Adapter	2 Two	1 Wrist Strap	1 Carrying Case	1 Reflective Label ID Kit	
3 Evolution 5200HD² TIC With 2X Digital Zoom NTSC Format (Standard Format in U.S.)		2 Celsius Scale		2 Evolution 5000-Series Truck Mounted Charger	3 Three	2 Shoulder Strap	2 Non-Charging Mounting Bracket	2 Sun Shroud	
				3 Standard Charger Kit, 110-220 AC Cigarette Charger and Evolution 5000-Series Truck Mounted Charger	4 Four	3 Retractable Lanyard		3 Display Covers	
				4 Evolution 5000-Series Universal Truck Mounted Charger		4 Wrist Strap, Shoulder Strap and Retractable Lanyard		4 ID Kit, Sun Shroud & Display Covers	
				5 Standard Charger Kit, 110-220 AC Cigarette Charger and Evolution 5000-Series Universal Truck Mounted Charger					

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Part Number

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.

Corporate Headquarters
P.O. Box 426, Pittsburgh, PA 15230 USA
Phone 412-967-3000
www.MSAnet.com

U.S. Customer Service Center
Phone 1-866-MSA-1001
Fax 1-800-967-0398

MSA Canada
Phone 416-620-4225
Fax 416-620-9697

MSA Mexico
Phone 52-55 21 22 5770
Fax 52-55 5359 4330

MSA International
Phone 412-967-3354
FAX 412-967-3451

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ID 3400-65-MC / Aug 2006