

EVOLUTION 5200HD² TIC

Multipurpose



The Evolution 5200HD² TIC is a multipurpose firefighting tool, designed for search-and-rescue as well as structural firefighting. MSA's first high-resolution TIC provides superior images in low- and high-sense modes from the VOx microbolometer that incorporates a 320 x 240 focal plane array sensor, generating over 76,000 pixels of image detail in both low- and high-sense modes.

An optional 2X digital zoom for image enlargement further enhances the user's ability to see image detail. The Evolution 5200HD² with its 36° field of view makes objects appear larger and closer so that images are easier to see.

The Evolution 5200HD² incorporates all of the established user-friendly form factors in MSA's 5000 Series TICs. These features include single-button activation, patented dual-handle design for ease of handoff, a lightweight lithium ion battery with over two hours of run time, a protective battery compartment, and a comprehensive offering of interchangeable accessories.

As with all MSA TICs, the Evolution 5200HD² comes standard with a two-year camera core warranty and a one-year warranty on all of the other camera components.

FEATURES	BENEFITS
Heat Seeker Plus	Only MSA offers color pixelization in high- and low-sense modes
Instant On	Camera starts in 2 seconds or less
320 x 240 Focal Plane Array	Increased number of pixels for improved picture quality
2X Digital Zoom (optional)	Magnifies image, providing more detail
Quick Temp	Numerical temperature readout of the scene
High Sense Imagery	Best in class imagery, 2 to 4 times longer than competitive cameras



High Sense image detail



Low sense imagery on the display of an E5200HD² TIC



Same picture with 2X Digital Zoom activated showing low-sense imagery on the display of an E5200HD² TIC

Specifications

Detector	Uncooled Microbolometer Vanadium Oxide (VOx)
Array Format	320 x 240
Pixel Size	38 µm
Spectral Response	7.5 to 13.5 µm
Video Output	NTSC
Frame Rate	30 Hz
NEΔT	≤65mK (in High Sensitivity) ≤240mK (in Low Sensitivity)
Time to Image	< 2 sec.
Scene Temp Range	560°C (1040°F)
Weight	48.2 oz (with battery)
Dimensions	10.8" x 8.1" x 4.4" (HxWxD)
Video Output	RS-170
Operating Time	> 2 hours
Optional	2X Digital Zoom

Ordering Information

Description	Part Number	
	Fahrenheit	Celsius
Evolution 5200HD ² complete with Heat Seeker, Quick Temp & User's instruction manual, less 2X Zoom	10097247	10097248
Evolution 5200HD ² complete with 2X Zoom, Heat Seeker, Quick Temp and User's instruction manual	10097249	10097250

See product specification sheet for more detailed product information.

THERMAL IMAGING KITS:

Fire Station TIC Kit

This kit contains all of the components and accessories that a fire department needs to put their MSA Evolution Thermal Imaging Camera into service. The Fire Station Kit consists of two (2) rechargeable Lithium-Ion Batteries, Single-Unit AC Charger, Retractable Lanyard, Carabiner, Instruction CD and a hard plastic carrying case.



PN 10096887

Vehicle TIC Kit

This kit contains all of the components and accessories that a fire department needs to install their MSA Evolution Thermal Imaging Camera into service on a fire truck. The Vehicle Kit consists of two (2) rechargeable Lithium-Ion Batteries, Universal Truck Charger, Retractable Lanyard, Carabiner, and Instruction CD.



PN10096886

VIDEO TRANSMISSION AND RECORDING SYSTEMS

Mini Receiver Kit

The Mini Receiver Kit enables users to customize your own video monitoring and recording setup. The kit includes a two channel receiver, multiple power cords, and additional adapters packaged in a soft-sided case, with additional room for accessories and the transmitter. Receiver kits come standard with a magnetic mounted, omni-directional antenna.



PN 10050376

Evolution Video Transmitter

Self-contained, modular design allows for maximum flexibility to deploy the transmitter easily when needed. Requires no modification to the TIC. An independent power supply does not draw power from the TIC battery, thus allowing for maximum run time of both TIC and transmission system.



PN 10047573

Deluxe Receiver Kit

The Deluxe Receiver Kit provides users with a complete solution for viewing transmitted images using a single receiver console. The kit features a 12" display that is integrated into the lid of the protective, Pelican case. It comes complete with an omni-directional antenna and wall-type and cigarette-lighter powered supply cords, which can use either 110-220 volt AC, 12 volt, or DC current.



PN 10050375

Evolution Video Capture Kit

Small, easy-to-use, stand-alone video device records screen action of any Evolution 5000-Series TIC for up to 2 hours. Connects in seconds and provides downloadable video clips of fireground for recordkeeping and training.



PN 10071750

ACCESSORIES

Single-Unit Charger

Desktop charger that charges the Evolution Lithium-Ion batteries. Requires 110 or 22 volt AC power supply.



PN 10041100

Non-Charging Universal Truck Bracket

A bracket used to secure the Evolution TIC in a vehicle. System does not have any charging capabilities.



PN 10067707

Universal Truck Charger

Charges any Evolution 5000 Series TIC WITH or WITHOUT the Wireless Transmitter or the Video Capture unit attached. The "smart" Universal Charger trickle charges the battery inside the TIC first, then switches over to the spare battery charging module.



PN 10067565

Reflective Label ID Kit

These HIGHLY REFLECTIVE Write-On Labels will make TIC accountability easier, and provide additional reflectivity on the top and sides of your Evolution 5000 Series. Each Label Kit contains five sets of four labels in bright red, orange, yellow, green and blue. Labels are easily written on with a permanent marker.



PN 10062184

Sun shroud

PN 10039603

Disposable display covers

PN 10038970

Lithium ion battery

PN 10038412

Tripod adapter

PN 10040229

Carabiner

PN 10040005

Plastic carrying case

PN 10040223

Retractable Lanyard

PN 10040226

Shoulder Strap

PN 10039515

Wrist Strap

PN 10039516

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.



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

U.S. Customer Service Center
Phone 1-877-MSA-FIRE
Fax 1-800-967-0398

MSA Canada
Phone 1-800-MSA-2222
Fax 905-238-4151

MSA Mexico
Phone (52) 55 2122 5770
Fax (52) 55 5359 4330

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

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The Safety Company