

# Evolution<sup>®</sup> 5600 Thermal Imaging Camera

Product Information



*Because every life has a **purpose...***

# Evolution 5600 TIC

The Evolution 5600 TIC delivers reliable thermal imaging performance in a value-driven design for firefighters everywhere. Versatile TIC provides detailed images from the vanadium oxide microbolometer sensor and features 120X120 focal plane array with more than 15,000 pixels and 39° field of view.

MSA's highly functional Heat Seeker and Quick Temp functions are standard and deliver unmatched performance and superior image quality at all temperatures. As with all MSA TICs, the Evolution 5600 TIC offers standard two-year camera core warranty and one-year warranty on all other camera components. The Evolution 5600 TIC incorporates user-friendly form factors in MSA's 5000 Series TICs:

- Single-button activation
- Patented dual-handle design for ease of handoff
- Lightweight lithium-ion battery with more than two hours of run time
- Protective battery compartment
- Comprehensive choice of interchangeable accessories

## Features

Heat Seeker Plus

Quick Temp

Instant power-on

120X120 focal plane array

High-sense imagery

## Benefits

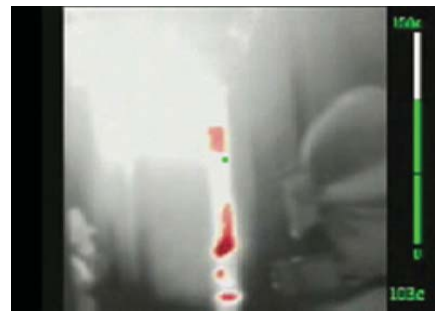
Only MSA offers color pixelization in high- and low-sense modes

Numerical temperature scene readout

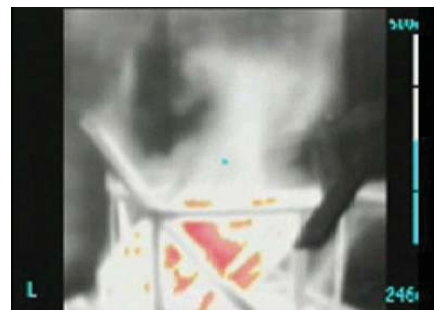
Camera starts in 2 seconds or less

High-performance VOx infrared sensor

Best high-sense imagery; 2 to 4 times longer than competitive cameras



High Sense image detail with Heat Seeker enhances heat source with red isotherm



Low Sense image detail with Heat Seeker enhances heat source with red isotherm

## Specifications

<b>DETECTOR</b>	Uncooled microbolometer vanadium oxide (VOx)
<b>ARRAY FORMAT</b>	120X120
<b>PIXEL SIZE</b>	38 µm
<b>SPECTRAL RESPONSE</b>	7.5 to 13.5 µm
<b>VIDEO OUTPUT</b>	NTSC
<b>FRAME RATE</b>	40mK (nominal)
<b>NEdT</b>	≤ 85mK (in High Sensitivity) ≤ 300mK (in Low Sensitivity)
<b>TIME TO IMAGE</b>	< 2 seconds
<b>SCENE TEMP RANGE</b>	560°C (1040°F)
<b>WEIGHT</b>	48.2 oz (with battery)
<b>DIMENSIONS</b>	10.8" x 8.1" x 4.4" (HxWxD)
<b>VIDEO OUTPUT</b>	RS-170
<b>OPERATING TIME</b>	> 2 hours

## Ordering Information

	Part Number	
	Fahrenheit	Celsius
Evolution 5600 TIC complete with Heat Seeker, Quick Temp and User's instruction manual	10097331	10097332

## Thermal Imaging Camera Kits

### Fire Station TIC Kit P/N 10096887

Contains all components and accessories needed to put Evolution TIC into service.

- Two rechargeable lithium-ion batteries
- Single-unit AC charger
- Retractable lanyard
- Carabiner
- Instructional CD
- Hard plastic carrying case



### Vehicle TIC Kit P/N 10096886

Contains all components and accessories needed for Evolution TIC fire truck installation.

- Two rechargeable lithium-ion batteries
- Universal Truck Charger
- Retractable lanyard
- Carabiner
- Instructional CD



## Video Transmission and Recording Systems

### Mini Receiver Kit P/N 10050375

Provides customization of video monitoring and recording setup.

- Two-channel receiver
- Multiple power cords
- Additional adapters packaged in soft-sided case
- Additional room for accessories and transmitter
- Magnetic-mounted, omni-directional antenna standard



### Deluxe Receiver Kit P/N 10050375

Provides complete solutions for viewing transmitted images using single receiver console.

- 12" display integrated into protective Pelican case lid
- Omni-directional antenna, wall-type and cigarette-lighter powered supply cords that can use 110-220 volt AC, 12 volt or DC current



### Evolution Video Transmitter P/N 10047573

Self-contained, modular design for maximum flexibility of transmitter deployment.

- Requires no TIC modification
- Independent power supply does not draw power from TIC battery, allows for maximum run time of both TIC and transmission system.



### Evolution Video Capture Kit P/N 10071750

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
- Provides downloadable fireground video clips for recordkeeping and training



## Accessories

### Single-unit Charger

**P/N 10041100**

- Desktop charger for Evolution TIC lithium-ion batteries
- Requires 110 or 22 volt AC power supply



### Universal Truck Charger

**P/N 10067565**

- Charges any Evolution 5000 Series TIC with or without wireless transmitter or video capture unit attached
- Smart universal charger trickle charges battery inside TIC first, then switches to spare battery charging module



### Non-charging Universal Truck Bracket

**P/N 10067707**

- Bracket secures Evolution TIC within vehicle
- System does not have charging capabilities



### Reflective Label ID Kit

**P/N 10062184**

Highly reflective write-on labels enable easier TIC accountability, providing additional reflectivity on Evolution 5000 Series top and sides.

- Each kit contains 5 sets of 4 labels in bright red, orange, yellow, green, and blue
- Labels are easily written using permanent marker



Description	P/N	Description	P/N
Sun shroud	10039603	Plastic carrying case	10040223
Disposable display covers	10038970	Retractable lanyard	10040226
Lithium-ion battery	10038412	Shoulder strap	10039515
Tripod adapter	10040229	Wrist strap	10039516
Carabiner	10040005		

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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