



# **EVOLUTION<sup>®</sup> 5800**

## Thermal Imaging Camera Features & Benefits

**Durability you expect**  
**Performance that will surprise you**  
**Functionality you need**

### **Durability**

#### **Features**

- Internal Mounting Foam
- High Impact Housing
- RFI Shielded
- External Rubber Bumpers
- Locking Battery Compartment - in handle
- IP 67 Rating

#### **Benefits**

- 60% increase in heat tolerance. Protects system electronics from rough handling. Insulates sensor and electronics.
- Adds durability, resists heat, and cleans up easily.
- Protects system electronics and image from harmful radio frequency interference.
- Protects the unit from drops and rough handling.
- Fully encloses battery, does not expose bare battery surface to high heat and rough environment.
- Resists dust and water ingress.

### **Performance**

#### **Features**

- Widest High Sense Operating Range on any Fire Service TIC
- Indigo 320 x 240 Vanadium Oxide Microbolometer
- Lithium Ion Battery
- 3 1/2" Backlit Display
- 30 Hz Frame Rate
- Highest Low Sensitivity Mode of any Fire Service TIC
- Quick-Temp Temperature Measurement
- Heat Seeker PLUS Indicator
- 2x Digital Zoom
- Selectable Palettes
- Image Digital Enhancement (IDE)

#### **Benefits**

- Provides better performance in high heat conditions.
- Provides excellent image quality in a small format.
- Lightweight - Excellent Run Time (2 hours).
- Provides a large display in a "small format" camera.
- Reduces image choppiness associated with slower frame rates.
- Extends the dynamic range for better image distinction at higher scene temperatures.
- Gives users a digital temperature measurement along with a temperature scale measurement to determine advancing heat.
- Allows the user to easily locate hot spots and the seat of the fire. Effective in High and Low Sensitivity.
- Enhances the image allowing for more visual detail from a safe distance.
- User selectable choice of five palettes, White hot, Black hot, and three distinct color palettes, enhances user applications.
- Enhances the picture imagery in all temperatures.

# Functionality

## Features

- Ergonomic Design

- Flexible Secondary Handle

- Single Button On/Off/2x Zoom

- Small Size & Light Weight

- Carabiner Attachment

- On-Screen Low Sensitivity and Shutter Indicators

- LED Indicators

- Wrist Strap\*

- Shoulder Strap\*

- Retractable Lanyard\*

- Evolution 5000-Series Truck Mounted Charger\*

- Reflective Label ID Kit\*

## Benefits

- Limits user fatigue. Provides better display orientation for the user.

- Provides added protection from impact/drop, easy handoff.

- Simple to use, prevents accidental shutdown.

- Limits user fatigue, easily used as a tool.

- Allows the TIC to be carried like a tool on a toolbelt or gear Quick attachment for other carrying attachments.

- Provides user with notification of Low sensitivity mode, and sensor shutter activation - a safety feature.

- Provides user with On/Off/Standby Status, Over temperature warning, and battery gas gauge. Very bright user interface for better performance in low light.

- Can be easily carried on the wrist, attaches to bunker gear.

- Completely frees hands when camera is not in use Quick seatbelt release for added safety.

- Retracts the TIC to ready position when not in use.

- Provides ready access to TIC and charges a spare battery.

- Allows user to personalize the TIC to specific station/department with a choice of five different color labels.

\*Accessory

**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.MSAFire.com](http://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