

# 3M<sup>™</sup> Scott<sup>™</sup> V320

**Thermal Imager** 





# V320 Thermal Imager

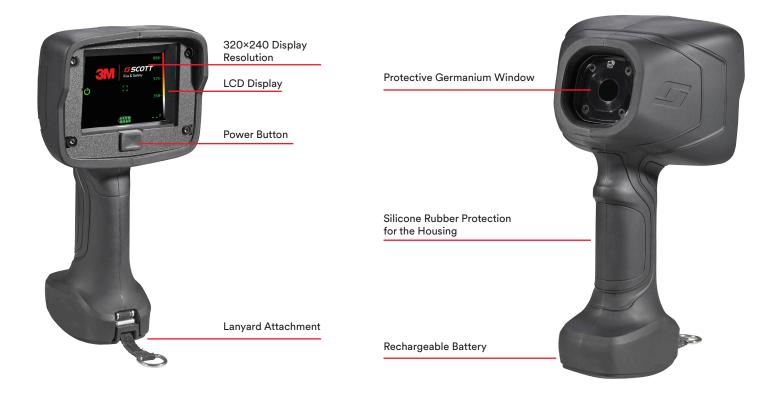
Today's firefighters operate in extreme conditions, where temperatures are capable of rising faster and where visibility is reduced in seconds. Conditions within these environments can put firefighters in situations where their safety is compromised and they must have a complete understanding of the environment. The V320, featuring a 320×240 sensor, and equipped with extended battery life, provides firefighters with mission critical information that enables firefighters to make better decisions in extreme conditions.



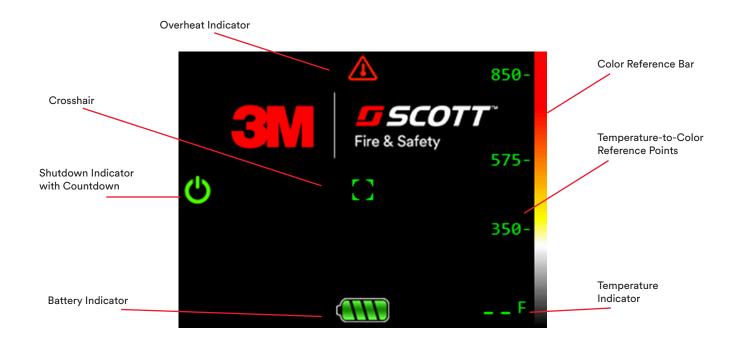
- 320×240 High Resolution Sensor
   Provides clear images enabling firefighters to navigate through limited-visibility conditions.
- Extended Battery Life
   Up to Eight-hour runtime with a removable rechargeable battery.
- Single Button
   Single button ON/OFF provides
   easy deployment. No menus
   required.
- 3.5" High-Contrast Display
   Ensures the image on the display can be seen in multiple light conditions.

- Fast Startup Time
   Ready for use within five seconds of activating the power button without the use of a standby mode!
- Lightweight, Durable Design Designed to withstand the extreme conditions.
- Ergonomics
   Ergonomically designed and balanced for comfort with a gloved hand.

### **Tactical Thermal Imaging Camera**



#### **LCD** User Interface



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#### **Technical Specifications**

| Electrical                     |  | Durability                                |   |
|--------------------------------|--|---|---|
| Dimensions                     | 5.2" x 4.8" x 9.4" (132mm x 122mm x 240mm)                                     | Operating Temperature Range<br>Continuous | -20°C to +55°C (-4° to 131°F)   |
| IR Resolution                  | 320 X 240  |   | 0°C to +40°C (32° to 104°F)   |
| Weight                         | <2.2 pounds (<1 kilogram)  | IP Rating                                 | IP67 (IEC 60529): Complete camera with the battery inserted.              |
| Temperature Units              | Fahrenheit or Celsius  | Drop                                      | IEC 60068-2-31 & 2 m (6.6') concrete<br>UN 38.3, Test T.6: Impact / Crush |
| Image Frequency                | >25 Hz (9 Hz option also available)  | Shock                                     | IEC 60068-2-27<br>UN 38.3, Test T.4: Shock                                |
| Pixel Size                     | 12 micron  | Environmental Temp & Humidity             | IEC 60068-2-30<br>UN 38.3, Test T.2: Thermal test                         |
| Spectral Response              | 7.5-14 micron  | Vibration                                 | IEC 60068-2-6   |
| F-number                       | F1.0   | Environmental Corrosion Salt Spray        | IEC60068-2-52   |
| FOV                            | 55° horizontal / 42° vertical  |   |   |
| NETD                           | <70 mK typical and <100mk max @ 25°C operating tempature and 37-100°C          |   |   |
| Dynamic Range                  | -20°C to +650°C  |   |   |
| Object Temperature<br>Accuracy | +/- 5°C/5% typical, +/- 10°C/10% max @ 25°C operating temperature, up to 650°C |   |   |
| Display                        | 3.5" LCD, 320×240 pixel  |   |   |
| LCD Brightness                 | Fixed (constant)   |   |   |
| Lux Level                      | >250 cd/m2   |   |   |
| Off-Axis Viewing Area          | >50°   |   |   |
| Battery Technology             | Rechargeable Lithium-Ion   |   |   |
| Battery Life                   | Up to 8 hours  |   |   |

To learn more, call your 3M Scott regional manager or authorized distributor.

#### **Accessories**







**Batteries** 



Retractable Lanyard

