



**SCOTT™**  
Fire & Safety

# 3M™ Scott™ V320

Thermal Imager





# 3M™ Scott™ V320 Thermal Imager

Today's firefighters operate in extreme conditions, where temperatures are capable of rising rapidly 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 thermal imager, featuring a 320×240 sensor, and equipped with extended battery life, provides firefighters with mission critical information to help make better decisions in extreme conditions.

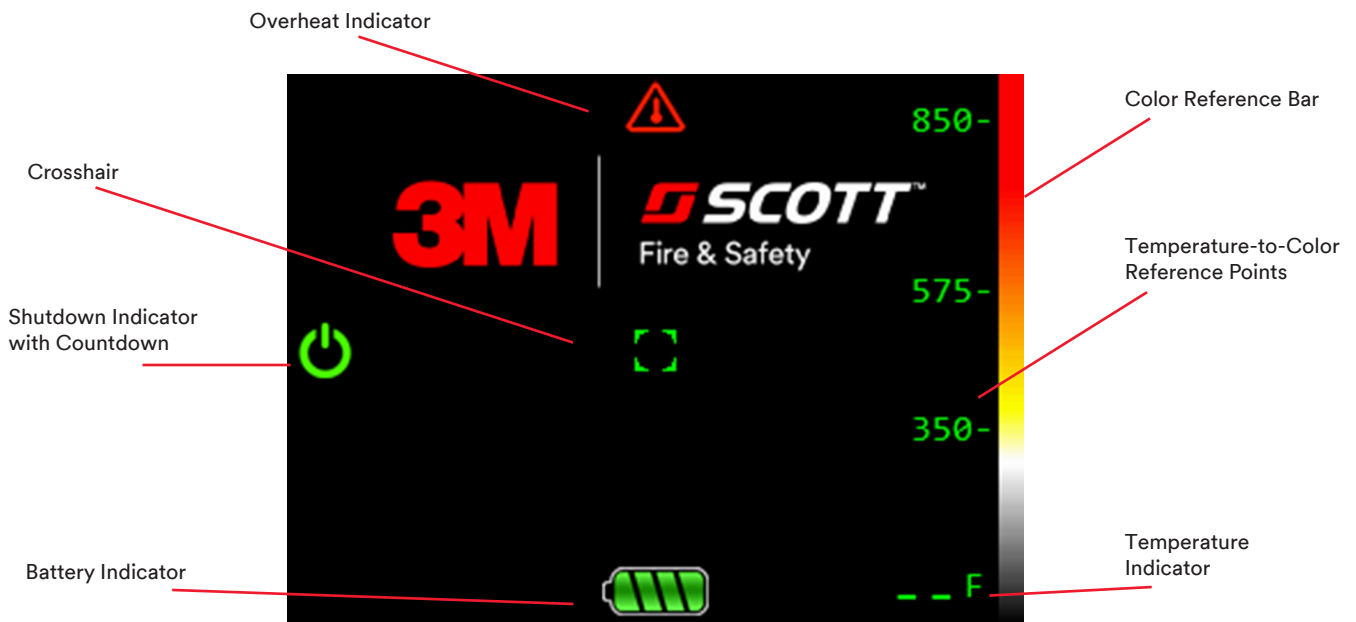


- **320×240 High Resolution Sensor**  
Provides clear images, helping firefighters to navigate through limited-visibility conditions
- **Extended Battery Life**  
Up to eight-hour runtime with a removable, rechargeable battery
- **Single Button**  
Single button on/off provides easy deployment. No menus required
- **3.5" High-Contrast Display**  
Helps ensure 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 extreme conditions
- **Ergonomics**  
Balanced for ease of use in bare or gloved hands

# Tactical Thermal Imager



## LCD User Interface



# 3M™ Scott™ V320 Thermal Imager

Technical specifications.

Electrical		Durability	
Dimensions	5.2" x 4.8" x 9.4" (132 mm x 122 mm x 240 mm)	Continuous Operating Temperature Range	-20 °C to +55 °C (-4 ° to 131 °F)
IR Resolution	320 X 240		
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 and 2 m (6.6') concrete UN 38.3, Test T.6: Impact / Crush
Image Frequency	>25 Hz (9 Hz option also available)	Shock	IEC 60068-2-27 UN 38.3, Test T.4: Shock
Pixel Size	12 micron	Environmental Temp and Humidity	IEC 60068-2-30 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 Accuracy	+/- 5 °C/5% typical, +/- 10 °C/10% max @ 25 °C operating temperature, up to 650 °C		
Display	3.5" LCD, 320x240 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 sales specialist or authorized distributor.

## Accessories



Desktop Charger



Batteries



Retractable Lanyard



### 3M Scott Fire & Safety

Personal Safety Division  
Monroe Center, P.O. Box 569  
Monroe, NC 28111

Phone 1-800-247-7257  
Email US-3M-ScottMonroeCSR@mmm.com  
Web 3M.com/ScottFire  
3M.ca/ScottFire

3M and Scott are trademarks of 3M. Used under license in Canada. © 2022, 3M. All rights reserved.  
2112-22590 E