



SCOTT
Fire & Safety

3M™ Scott™ 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.

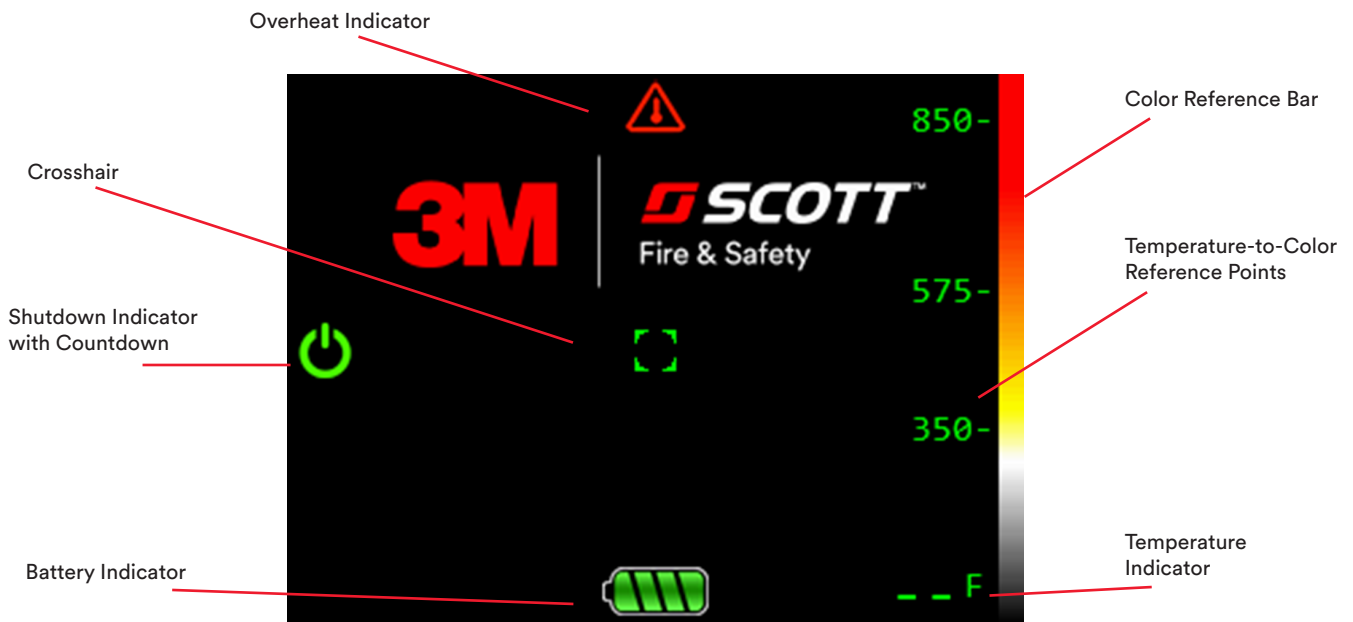


- **320×240 High Resolution Sensor**
Provides clear images enabling firefighters to navigate through limited-visibility conditions.
- **Extended Battery Life**
Up to Eight-hour runtime with a removable rechargeable battery.
- **Single Button**
Single button ON/OFF provides easy deployment. No menus required.
- **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



3M™ Scott™ V320

Technical Specifications

Electrical		Durability	
Dimensions	5.2" x 4.8" x 9.4" (132mm x 122mm x 240mm)	Operating Temperature Range 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 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 & 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 temperature 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 regional manager or authorized distributor.

Accessories



Desktop Charger



Batteries



Retractable Lanyard



3M™ Scott™ Fire & Safety

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