



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 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 them 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.

90mm (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.

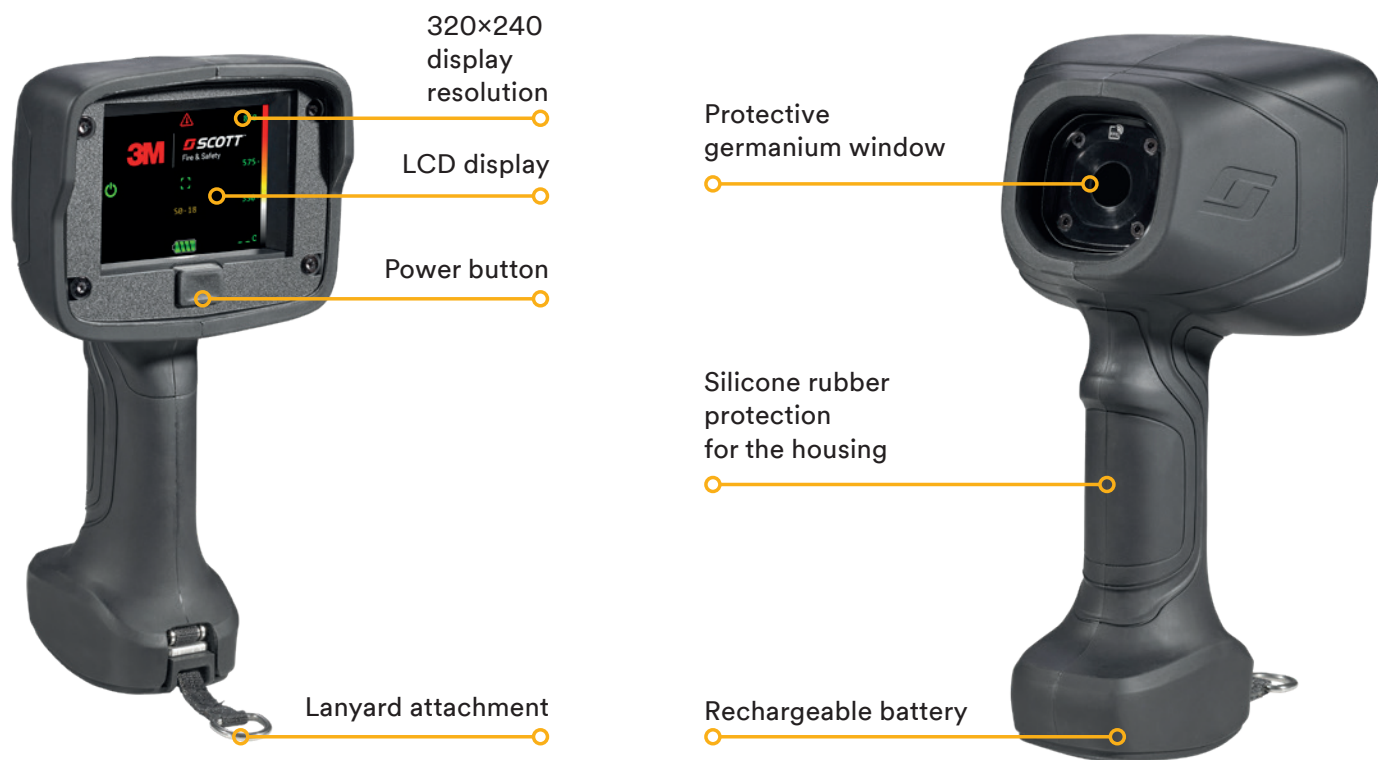
Lightweight, durable design

Designed to withstand extreme conditions.

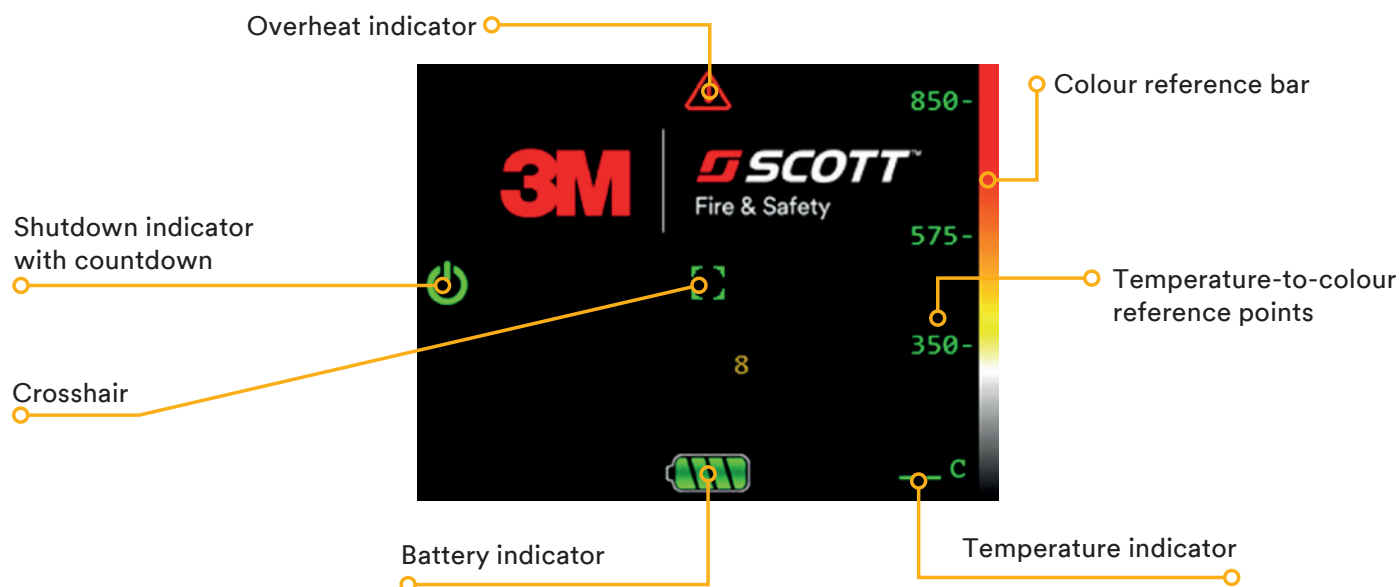
Ergonomics

Ergonomically designed and balanced for comfort with a gloved hand.

3M™ Scott™ Tactical Thermal Imaging Camera



LCD user interface



Accessories



3M™ Scott™ V320

Specifications

Electrical

Display	90mm (3.5") LCD, 320×240 pixel
LCD brightness	Fixed (constant)
IR resolution	320×240
Pixel size	12 micron
Spectral response	7.5-14 micron
Temperature units	Fahrenheit or celsius
Image frequency	>25Hz (9Hz option also available)
F-number	F1.0
Field of vision	55° horizontal/42° vertical
NETD	<70 mK typical and <100 mK 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
Lux level	>250 cd/m ²
Off-axis viewing area	>50°
Battery technology	Rechargeable lithium-ion
Battery life	Up to 8 hours
Dimensions	132mm x 122mm x 240mm (5.2" x 4.8" x 9.4")
Weight	<1 kilogram (<2.2 pounds)

Durability

Operating temperature range continuous	-20°C to +55°C (-4° to 131°F)
IP rating	IP67 (IEC 60529): Complete camera with the battery inserted
Drop	IEC 60068-2-31 & 2 m (6.6') concrete, UN 38.3, Test T.6: Impact/Crush
Shock	IEC 60068-2-27, UN 38.3, Test T.4: Shock
Environmental temperature and humidity	IEC 60068-2-30, UN 38.3, Test T.2: Thermal test
Vibration	IEC 60068-2-6
Environmental corrosion salt spray	IEC60068-2-52

Article Number	Description
8007132	3M™ Scott™ V320 Thermal Imager 9Hz Fahrenheit Kit
8007134	3M™ Scott™ V320 Thermal Imager 25Hz Fahrenheit Kit
8007133	3M™ Scott™ V320 Thermal Imager 9Hz Celsius Kit
8007135	3M™ Scott™ V320 Thermal Imager 25Hz Celsius Kit

Accessories	Description
8007136	3M™ Scott™ V-Series retractable lanyard
8007137	3M™ Scott™ V-Series battery charger
8007138	3M™ Scott™ V-Series charger power supply
8007139	3M™ Scott™ V-Series standard battery

Kits include V320 camera, 2 x batteries, desktop charger and retractable lanyard.

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

3M Scott Fire & Safety

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