

PRODUCT TECH SHEET



SCAN FOR VIDEO

MODEL		TE211				
STYLE		Thermal Monocular				
RELEASE		Nov 2024	RRP		\$649	
					DIMENSIONS	
					LENGTH	132mm (5.20")
					WIDTH	47mm (1.85")
					HEIGHT	47mm (1.85")
					WEIGHT	248g (incl batt)
					PROTECTION	
					IP67 (water resistant to 1m for 30 mins)	
					POWER	
					Internal 18650 Battery Pack	
SUMMARY						
<p>The TE211 Handheld Thermal Imaging Monocular is compact, ultra-lightweight and perfect for hunters, adventurers and professionals alike that need a quality thermal spotting device that is tough, simple to use and pocket-sized – with a 500m spotting range!</p> <p>Hitting the scales at an crazy 248g, this ‘pocket rocket’ is designed for effortless portability without compromising on performance, being powered by a 256×192@12µm infrared thermal sensor that operates at an amazing NETD <30mK sensitivity. This delivers clear thermal imaging up to 500m with its 10mm lens in the most challenging of conditions, with a button and dial combination menu operation that enables quick transitions between the many features.</p> <p>Delivering around 6 hours on a full charge via the internal battery, with a quick 10-minute charge providing up to an hour of continuous use – you’ll be ready for any outdoor exploration with this versatile monocular. Whether you’re hunting, hiking or conducting night-time inspections, the TE211 offers unbeatable value, reliability, precision and ease of use.</p>						
KEY FEATURES						
<ul style="list-style-type: none">• 256 × 192 resolution @12µm thermal detector for crisp thermal detail.• High sensitivity thermal module NETD <30 mK (@25°C, F# = 1.0), ensuring perfect image quality and detail recognition even in the toughest weather conditions.• 10mm, F1.0 thermal lens with a thermal detection range up to 500m.• 17.5°×13.1° Field of View with a huge 31m x 23m window at 100m.• 1.2x – 4.8x Magnification via manual button.• 0.32" AMOLED 800×600 display screen for excellent clarity.• 7 Colour Palettes – <i>White Hot; Black Hot; Red Hot; Green Hot; Iron Red; Blue Hot; Sepia.</i>• Up to six (6) hours of continuous operation using built-in 18650 Li-ion battery pack.• Battery can be charged onboard (USB Type-C) or powered via an external battery pack.• 248g lightweight, compact and ergonomic design with rubber lens cover.• Perfect for nighttime forest or field spotting, bird watching, rescue and marine scenarios.• IP67 protection rating – dustproof and water resistant to 1 meter for 30 minutes.						

TECHNICAL DETAILS

[3 Year Warranty]

THERMAL MODULE:

Image Sensor
Maximum Resolution (Thermal)
Frame Rate
Pixel Interval
Response Waveband
NETD
Lens (Focal Length)
Focus Mode
Detection Range
Minimum Focusing Distance
Magnification
Field of View (HxV), Degrees/m @100m

VOx Uncooled Focal Plane Arrays CMOS
256 x 192
50Hz
12 µm
8µm to 14µm
Less than 30mK (@25°C), F# = 1.0
10mm, F1.0
Manual Button (eye adjustment focus ring)
500m
1m
1.2x to 4.8x
17.5° x 13.1° / 31m x 23m

IMAGE DISPLAY:

Display
Palettes (Thermal)
Exit Pupil
Eye Relief
Dioptre (Range)
Zoom

0.32" AMOLED 800×600
White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
8mm
25mm
-5 D to +5 D
14x

SYSTEM:

Capture Snapshot
Audio Recording
Video Recording
Standby Mode
Storage
Local Album
Wi-Fi
Bluetooth

Yes
Yes
Yes
Yes (includes SMART Auto Screen Off on tilt)
Built-in EMMC (16GB)
Yes
Dual Band - 2.4GHz and 5Ghz
Yes

POWER SUPPLY:

Battery Operating Time
Battery Type
Type-C Power Supply

Approximately 6 hours (at 25°C)
Rechargeable Li-ion Battery Pack (fixed into device)
5V 9A DC, 3A Supports 20W Quick Charging (10 mins = 1 hour)

GENERAL:

Protection Level
Dimensions
Weight
Working Temperature
Mounting Adaptor (Tripod)
Mounting Adaptor (Picatinny)
Included in Box

IP67 (30 minutes under 1m of water)
132mm x 47mm x 47mm (5.20" x 1.85" x 1.85")
248g including built-in battery
-20°C to +50°C
1/4" Internal Thread -20-UNC
2 x Internal Threads
Device; Rubber Lens Cover; Eye Mask; Wrist Strap; USB Type-C Cable;
Quick Use Guide; Safety Information Manual, Warranty Card.

LASER RANGEFINDER:

Safety Class for Laser
Wavelength
Maximum Measuring Range
Measurement Accuracy
Minimum Measuring Range

None Attached
n/a
n/a
n/a
n/a

SECTION FOR HOLE PUNCHES

