

PRODUCT TECH SHEET



SCAN FOR VIDEO

MODEL		TB630						
STYLE		Clip-On Thermal Scope Attachment						
RELEASE		June 2024	RRP \$3,599					
								
					DIMENSIONS			
					LENGTH	128mm (5.04")		
					WIDTH	79mm (3.11")		
					HEIGHT	79mm (3.11")		
WEIGHT		440g (excl batt)						
PROTECTION								
IP68 (water resistant to 1.5m for 30 mins)								
POWER								
2 x 18650 External Batteries								

SUMMARY

The **GUIDE TB Series** of Thermal Clip-On Scope Attachments bridges the gap between precision and portability, offering daytime hunters the option to add a lightweight Thermal Imager to their scope to expand into the world of nighttime hunting.

Cutting-edge magnesium alloy construction makes this Clip-On more compact and easier to carry and install than many of the competition, coming in at around 530g with batteries installed... Besides this compact size, the **TB630** still manages to pack a full-HD AMOLED display with a wider viewing angle, seven colour palettes to choose from - and richer colour.

At the business-end, the **TB630** features a 640 x 512 pixel, 20mK NETD thermal sensor for incredibly detailed images, a spotting distance of 1800m, 10-hour battery life and an industry-leading IP68 protection rating for confidence in the toughest Aussie conditions.

KEY FEATURES

- 640 × 512 resolution @12µm thermal detector for crisp thermal detail.
- High sensitivity thermal module NETD of 20 mK (@25°C, F# = 1.0), ensuring perfect image quality and detail recognition even in the toughest weather conditions.
- 35mm, F1.0 thermal lens with a thermal detection range up to 1800m.
- 12.5°×10.0° Field of View with a wide 22m x 17m window at 100m.
- 1x Magnification (NOTE: The TB630 uses the magnification of the user’s Day Scope.)
- 0.39" AMOLED 1920×1080 display screen for excellent clarity.
- 7 Colour Palettes - *White Hot; Black Hot; Red Hot; Green Hot; Iron Red; Blue Hot; Sepia.*
- Up to ten (10) hours of continuous operation using 2 x 18650 Li-ion batteries.
- 440g lightweight, compact and ergonomic design with rubber lens cover.
- 1000g at 1ms rifle recoil shock resistance (at per IEC60068-2-27).
- IP68 protection rating - dustproof and water resistant to 1.5 metres for 30 minutes.

Thermal Module:

Image Sensor	VOx Uncooled Focal Plane Arrays CMOS
Maximum Resolution (Thermal)	640 x 512
Frame Rate	50Hz
Pixel Interval	12 µm
Response Waveband	8µm to 14µm
NETD	Less than 20mK (@25°C), F# = 1.0
Lens (Focal Length)	35mm, F1.0
Detection Range	1800m
Minimum Focusing Distance	1m
Magnification	1x (Uses the existing Day Scope on the rifle)
Field of View (HxV), Degrees/m @100m	12.5° x 10.0° / 22m x 17m

Image Display:

Display	0.39" AMOLED 1920×1080
Palettes (Thermal)	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
Eye Relief	20mm
Zoom	9.5x

System:

Capture Snapshot	Yes
Audio Recording	Yes
Video Recording	Yes
Standby Mode	Yes
Storage	Built-in EMMC (64GB)
Local Album	Yes
Wi-Fi	Dual Band - 2.4GHz and 5Ghz
Bluetooth	Yes

Power Supply:

Battery Operating Time	Approximately 10 hours (at 25°C)
Battery Type	2 x Rechargeable, Removable Li-ion Batteries
Type-C Power Supply	USB Type-C (Power Supply or USB 2.0)

General:

Protection Level	IP68 (30 minutes under 1.5m of water)
Dimensions	128mm x 79mm x 79mm (5.04" x 3.11" x 3.11")
Weight	440g (excl batteries)
Working Temperature	-20°C to +50°C
Included in Box	Device; Rubber Lens Cover; 2 x 18650 Batteries; Battery charger; 5V 2A Adapter for Australia; USB Type-C Cable; Quick Use Guide; Warranty Card.

NOTE: Connecting Adaptor Ring

The user must purchase a connecting **GUIDE Adaptor Ring** separately that will fix the Clip-On to the end of their day scope.

At the time of print (Nov 2024) these have an RRP of \$199, and there are three sizes:

SIZE A = Scope Bell Diameter 38mm - 46mm
SIZE B = Scope Bell Diameter 48mm - 54mm
SIZE C = Scope Bell Diameter 56mm - 64mm

