



IR + HD CAMERA



DIVER HANDHELD TACTICAL OBSERVATION MAST - STANDALONE (TOM-S)

Advanced above-water geolocated imaging, with heading, for covert surveillance.

SYSTEM FEATURES

- + Longwave Infrared (LWIR) thermal imaging camera
- + Low light optimised HD camera
- + High accuracy GNSS Receiver
- + Internal Attitude Heading Reference System (AHRS) for real-time heading data
- + Telescopic deployment pole
- + Left or right handed operation
- + Use standalone or with an Artemis System

SOFTWARE FEATURES

- + Intuitive three button software interface
- + Selection between LWIR / HD cameras
- + Video and still image capture (internal or external storage)
- + Simultaneous image capture from both cameras
- + Compass ribbon and position overlay
- + Digital zoom
- + LWIR palette selection

COVERT ABOVE-WATER IMAGING CAPABILITY

artemis

enquiries@blueprintsubsea.com
www.blueprintsubsea.com



Part of the
aion
GROUP

SPECIFICATION

MECHANICAL

Length (Collapsed)	915mm
Length (Extended)	2300mm
Weight	3.0kg (Air) 0.5kg (Water)
Depth Rating	200m
Construction	PA66 Housing, Anodised Aluminium Pole
Temp. Range (Operating)	-5°C to +40°C
Buttons	Left/Right Handed 3 Piezo Button Interace

CAMERA - LWIR

Array Format	320 x 256
Video Resolution	640 x 512 @ 9Hz
Thermal Sensitivity	<50mK
Spectral Range	Longwave Infrared; 7.5um - 13.5um
Lens	50° HFOV, 4.3mm Focal Length

CAMERA - VISIBLE LIGHT

Video Resolution	1920 x 1080 @ 30fps
Minimum Illumination	0.1 Lux
Sensitivity	3.7V/lux-sec@550nm
Lens	6.35mm (¼ inch)
Focus Length	3.6mm (Fixed Focus)

BATTERY

Operating Time	4 Hours Continuous Use
Chemistry	Li-ion
Capacity	14.5V 3.3Ah (48Wh)
Charger	Compatible with Artemis Universal Battery Charger

Please note that all functions & specifications may be subject to change in line with our policy of continual product development.

DA-150-P04954-03

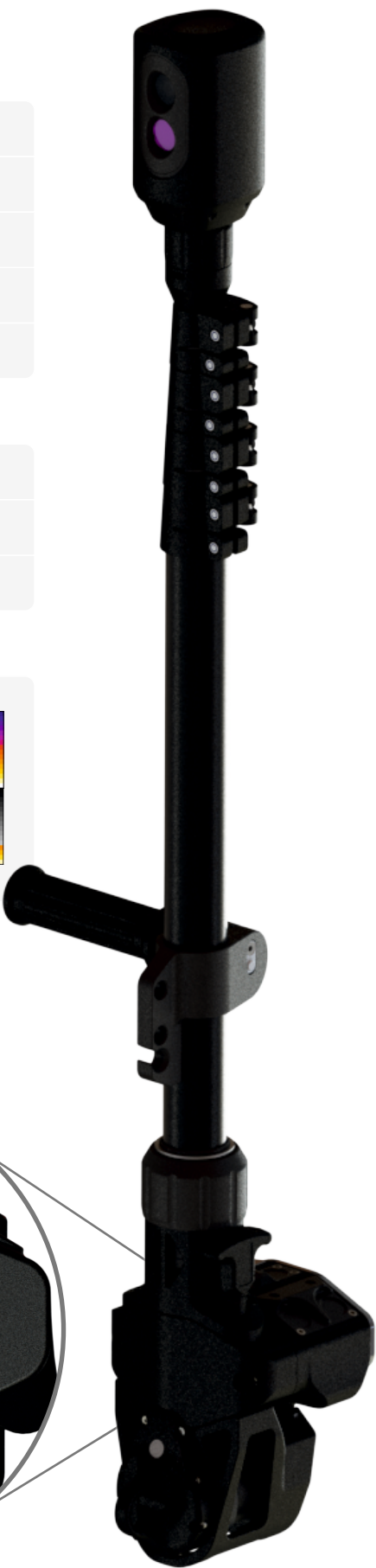
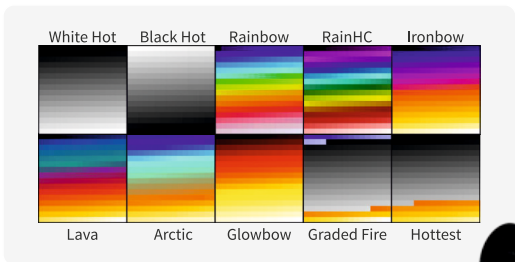
ELECTRONICS

Screen Resolution	800 x 600
Connector	USB User Port, MCBH-8-FS
Storage	25GB Internal or 32GB Removable Storage
GNSS	2.0m CEP Position
Additional Sensors	AHRS (Heading)

DISPLAY

Display	Full Colour
Lenses	Interpupillary Distance Optimised
Resolution	800 x 600 Pixels Per Eye

LWIR COLOUR PALETTES



Blueprint Subsea
The Clock Tower Business Centre
Low Wood, Ulverston
Cumbria, LA12 8LY

enquiries@blueprintsubsea.com
www.blueprintsubsea.com



Part of the
aion
GROUP