

PARTAN NZ

FUSION WEAPON SIGHT



3E leveraged advanced technology and deep customer insights to create the most advanced fusion weapon sight, PARTAN NZ.

PARTAN NZ delivers crispy and intelligent image performance. It is designed for functionality and superior performance by taking into account the demands of most elite users. It offers unrivaled optical performance via industry leading 12-micron LWIR technology with a resolution of 640x480 and DI2 low light sensor with superior image quality.

The advanced image processing leads to excellent fusion images by combining the two sensors into one and provides better detection and recognition whenever users need the most.

PARTAN NZ has a rugged and lightweight construction to survive extreme conditions with peak performance so that the elite operators can count on it. Tested for MIL-STD-810 and with a waterproof design, PARTAN NZ is durable and reliable under harsh environmental conditions with its all-aluminium construction for maximum structural rigidity.

It is a simple revolutionary step in the advanced detection systems.

Thermal Imaging Unit

Sensor Technology	Uncooled Microbolometer
Sensor Resolution	640 x 480 pixels
Sensor Sensitivity	f/1.0 to < 40 mK
Sensor Pitch	12 µm
Spectral Range	LWIR; 7.5 µm to 13.5 µm

DI² Imaging Unit

Sensor Technology	DI ² LLCmos
Sensor Resolution	1920 x 1200 pixel
Sensor Sensitivity	100000 mV/Lux.s
Sensor Pitch	12 µm
Spectral Range	400-1100 nm
Min. Illumination	1x10 ⁻⁴ lux



KEY FEATURES

- **INTELLIGENT FUSION MODE**
Its advanced image processing architecture combines the image taken from two different sensors in a single layer, providing users with a perfect fusion image
- **OUTSTANDING IMAGE CLARITY**
A high-resolution 640x480 12-micron LWIR sensor and premium germanium optics paired with a high-definition display provide outstanding image clarity and perfect detail recognition
- **SUPERB DETECTION AND RECOGNITION CAPABILITY**
Its fusion technology and image processing architecture provides the user with excellent detection and recognition capabilities
- **VIDEO AND STILL-PHOTO RECORDING**
The internal memory offers storage space for videos and photos. In addition, you can download recorded files seamlessly when connected to the PC
- **HDMI VIDEO OUTPUT**
The HDMI interface allows to send high-resolution digital video
- **LONG LASTING BATTERY LIFE**
Uninterrupted usage experience with 10+ battery life with a single battery set
- **COMPACT, LIGHT AND RUGGED**
The highly portable and exceptionally modern design provides the operator with ease of use and simple control for all device menu adjustments



Optical Data	
Field of View (DFOV)	18.7 °
DRI ⁽¹⁾	Human Detection - 1250 m / 1367 yd Vehicle Detection - 3800 m / 4156 yd
Diopter	+2,-6 dpt

General Data	
Frame Rate	60 Hz
Display Type	Color OLED
Eye Relief	30 mm
E- Zoom	2x, 4x
Start-up Time	<10 sec.

Features (All Modes)	
Video Recording	Yes
Image Capturing	Yes
Reticle	Multiple Reticle Patterns
Reticle Color	Multiple Reticle Colors, Auto BG
Reticle FP	FFP, SFP
Reticle Zeroing	Manual
User Profiles	Up to 5 Profiles
Brightness Adjustment	Yes
Contrast Adjustment	Yes
Sharpness Adjustment	Yes
Video Output	Yes (HDMI)

Features (Thermal Mode)	
Polarity	White-Hot, Black-Hot, Multiple Pseudo Colors
Outline Mode	Yes
Calibration	Auto, Semi-Auto, Manual

Features (DI ² Mode)	
Color Modes	Black/White, Red, Green

Features (Fusion Mode)	
Color Modes	Black/White, City, Forest, Snow, Desert, Red Hot
Fusion Scale	1-10

Physical Data	
Weight ⁽²⁾	795 g (28 oz)
Dimensions (WxLxH)	90x195x110 mm (3.54x7.67x4.33 in)
Housing Material	Aluminium w/Plastic Parts
Color	Black or FDE
Weapon Mount Type	Low Profile Quick Release Mount
Weapon Mount Compatibility	MIL-STD 1913, STANAG 4694

Electrical Data	
Battery	3 x 18650 Rechargeable Li-ion Battery
Battery Life ⁽³⁾	10+ hours

Environmental Data	
Operating Temperature Range	-32 °C to +49 °C (-26 °F to +120 °F)
Storage Temperature Range	-40 °C to +71 °C (-40 °F to +160 °F)
Immersion	IP67
Recoil Compatibility	5.56 mm NATO (0.223 cal) 7.62 mm NATO (0.308 cal)

■ Other MIL-STD-810G tests are applicable. Please contact us for detailed information.

Standard Accessories ⁽⁴⁾	
■ User and Operating Manual	■ 3 x 18650 Rechargeable Lithium Ion Battery
■ Low Profile Quick Release Mount	■ Lens Cleaning Cloth
■ Battery Charger	■ 2x Objective Protection Cover
■ Eyecup	■ HDMI Video Cable
■ Soft Carrying Bag	■ USB Cable

Optional Accessories ⁽⁴⁾	
<input type="checkbox"/> Hard Case	<input type="checkbox"/> Fine Adjustment Grip

(1) Related data are calculated based on "Johnson Criteria".

(2) The weight given is calculated without accessories and batteries.

(3) Battery life is calculated based on the original equipment battery. Battery life may vary depending on environmental and atmospheric conditions.

(4) Accessories may vary. Please contact us for detailed information.

Contact 3E for product codes and SKUs.



DS30025-NZ-EN | Rev:B | 06.22



© 2022 3E Elektro Optik Sistemler San. ve Tic. Ltd. Şti. | ISO 9001, ISO 14001, ISO 45001, ISO/IEC 27001 : Certified Company

3E is an international high-tech company specializing in the design, development, know-how and manufacture of optronic equipment and systems, providing the most accurate, reliable and creative solutions to military, law enforcement and civilian applications. All 3E materials are for informational purposes only and do not constitute any binding obligation or agreement by 3E. All claims regarding performance and performance characteristics are assumed to be normal, responsible use within the warranty period.

3E reserves the right to change product specifications at any time without notice. Patents may be covered.

Export of 3E products may be subject to export controls. Contact us for more details.