

PARS 660

CLIP-ON THERMAL WEAPON SIGHT



PARS 660 is the top-of-the-range dual use clip-on thermal weapon sight to deliver world-leading performance on image processing. It offers unrivaled optical performance via 17-micron LWIR technology and a 640x480 thermal sensor. In addition, the advanced image processing leads to excellent image clarity and provides better detection and recognition, allowing conquering the night with its exceptional visual quality.

It 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, PARS 660 is durable and reliable under harsh environmental conditions with its all-aluminium construction for maximum structural rigidity.

PARS 660 delivers the most efficient and feasible user experience with its user-friendly interface. It includes many advanced features such as wireless video transfer to various platforms, wireless remote control, picture in picture (PiP) mode, internal video and image recording.

It offers a high-performance shooting experience via superior boresight retention through its state-of-the-art optical design and revolutionary software architecture developed by the engineering team, which can adapt automatically according to the platform.

PARS 660 can be quickly mounted on any MIL-STD-1913 rail interface.



KEY FEATURES

■ OUTSTANDING IMAGE CLARITY

A high-resolution 640x480 long-wave IR sensor and premium germanium optics paired with a high-definition display provide outstanding image clarity and perfect detail recognition

■ EXCELLENT BORESIGHT RETENTION

It offers a high-performance shooting experience via superior boresight retention through its state-of-the-art optical design and revolutionary software architecture developed by the engineering team, which can adapt automatically according to the platform

■ VIDEO AND STILL-PHOTO RECORDING

Store your hours of video and thousands of photos in the internal memory

■ 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

■ COMBAT-PROVEN DURABILITY

Robustly designed and field-tested so the most elite operators can count on it (20,000+ PARS delivered/fielded by various military forces)

■ WI-FI INTERFACE WITH MULTIPLE PLATFORMS

The built-in Wi-Fi module connects with Android, IOS or Windows platforms. Seamlessly control the features of the PARS through these platforms

■ CREATE YOUR OWN RETICLE

Along with a wide variety of built-in reticles, you can create your own reticle just as you imagine it. For more information, visit "www.reticlecreator.com"

General Data

Frame Rate ⁽¹⁾	60 Hz
Display Type	Color OLED
Eye Relief	∞
E- Zoom ⁽²⁾	2x, 3x, 4x, 8x (PiP Mode)
Start-up Time	<5 sec.
Calibration	Auto, Semi-Auto, Manual

Optical Data

Objective Lens (MF) ⁽³⁾	60 mm
Optical Magnification	1x
Field of View (HxV)	10.2° x 7.7°
Min. Focus Distance	3 m
DRI ⁽⁴⁾	Human Detection - 1760 m / 1924 yd Vehicle Detection - 5400 m / 5905 yd



Sensor Data

Sensor Technology	Uncooled Microbolometer
Sensor Resolution	640 x 480 pixels
Sensor Sensitivity	< 40 mK @f/1.0
Sensor Pitch	17 µm
Spectral Range	LWIR; 7.5 µm to 13.5 µm

Advanced Features

Integrated WI-FI⁽⁵⁾	Yes (Wireless Video Streaming w/AppStore, Google Play, Windows)
Integrated Bluetooth	Yes
Motion Detection	Yes ⁽⁶⁾
Video Recording	Yes (Format: MP4 Capacity: 180+ minutes)
Image Capturing	Yes (Format: JPEG Capacity: 10000+ photos)
Eye Comfort Mode	Yes
2-Axis Angle Indicator	Yes
Stadiametric Range Finder	Yes
Continuous E-Zoom	+0.05x (1.00, 1.05, 1.10...)
Reticle	Multiple Reticle Patterns ⁽⁷⁾
Reticle Color	Multiple Reticle Colors, Auto POL, Auto BG
Reticle Brightness Adjustment	Yes
Reticle FP	FFP, SFP
Reticle Stadia	Yes
Reticle Zeroing	Manual, Auto
User Profiles	Up to 10 Profiles
Brightness Adjustment	Yes
Contrast Adjustment	Yes
Sharpness Adjustment	Yes
Active Histogram Equalization	Yes
Polarity	White-Hot, Black-Hot, Multiple Pseudo Colors
Outline Mode	Yes
Zoom Assist (PiP Mode)	Yes
Video Output	Yes (Digital; USB & Analog)

(1) Some devices may offer 25 Hz. Contact us for detailed information.

(2) E-Zoom cannot be used in clip-on mode.

(3) MF: Manual Focus

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

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(6) May not be available on all devices. Please contact us for detailed information.

(7) User customized reticles can be loaded. For detailed information, visit www.reticlecreator.com

(8) With mounting adapter and 2 x 18650 batteries.

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

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

Contact 3E for product codes and SKUs.

Physical Data

Weight	737 g (25.9 oz) (w/o accs.) 737 g (25.9 oz) (w/o accs.) ⁽⁸⁾
Dimensions (WxLxH)	90x221x93 mm (3.54x8.70x3.66 in)
Optical Axis Distance (A)	40.90 mm (1.61 in)
Housing Material	Aluminium w/ Plastic Parts
Color	Black or FDE
Weapon Mount Type	Quick Release Mount
Weapon Mount Compatibility	MIL-STD 1913, STANAG 4694

Electrical Data

Battery	2 x 18650 Rechargeable Li-ion
Battery Life⁽⁹⁾	4+ hours 7+ hours (Power Save Mode)

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) 8.59 mm (0.338 cal)

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

Standard Accessories⁽¹⁰⁾

■ User and Operating Manual	■ 2 x 18650 Rechargeable Lithium Ion Battery
■ Quick Release Weapon Mount	■ Lens Cleaning Cloth
■ Battery Charger	■ Objective Protection Cover
■ Interface Bellows	■ 0.8m USB & BNC Cable
■ Soft Carrying Bag	

Optional Accessories⁽¹⁰⁾

<input type="checkbox"/> Hard Case	<input type="checkbox"/> Helmet Mounted Display (HMD)
<input type="checkbox"/> Diopter Filter (-0.75 dpt)	<input type="checkbox"/> Wireless Remote Control (BRC)
<input type="checkbox"/> Eyecup	<input type="checkbox"/> External Battery Pack



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