

NOX18

Multi- Purpose Thermal Monocular

ABOUT

Nox by N-Vision Optics is a brand new small 12-micron 60 Hz fully functional thermal weapon sight that can serve double duty as a head-mounted monocular or a scanner. Alternatively, it's a head-mountable top-of-the-line monocular that can perform remarkably well as a weapon sight or a scanner.

Nox features a manual focus 18 mm F1.0 high-performance wide field of view objective lens. Its solid mechanical design ensures zero retention throughout the adjustment range and is highly recoil resistant.

Nox's five ergonomic control buttons permit immediate access to calibration, polarity, zoom, photo, power, and a user-friendly menu system for zeroing and customizing device parameters. The dedicated calibration button gives the user ability to calibrate the unit with one hand in under one second.

SPECIFICATIONS

Sensor Pixel Pitch	12 um
Resolution	640 x 480
Refresh Rate	60 Hz
Lens	18mm F1.0
Focus	Manual, non-rotating
Field of View	24.3 (H) x 18.3 (V) 30.4 (diagonal)
Digital Zoom	1x/2x/4x/8x
Display Type	OLED 640x480 B&W
Power	One CR123 or one 18650
Remote power	USB 5.0V
External connector	Waterproof USB-C
Calibration (NUC)	Manual
Weight, CR123 Battery	13.5 oz / 382 g (w/o weapon mount) 16 oz / 453 g (w/ weapon mount)
Weight, 18650 Battery	15.3 oz / 434 g (w/o weapon mount) 17.6 oz / 499 g (w/ weapon mount)
Size, CR123 Battery (w/o weapon mount)	127 x 74 x 61 mm 5.0 x 2.9 x 2.4 inches
Size, CR123 Battery (w/ weapon mount)	127 x 74 x 76 mm 5.0 x 2.9 x 3.0 inches
Size, 18650 Battery w/o weapon mount)	163 x 74 x 61 mm 5.0 x 2.9 x 2.4 inches
Size, 18650 Battery w/ weapon mount)	163 x 74 x 61 mm 6.4 x 2.9 x 3.0 inches
Detection range	712 m
Recognition range	273 m
Identification range	152 m

This equipment is export controlled and is subject to the jurisdiction of the ITAR (22 CFR 120-130). Specifications are subject to change without notice.



FEATURES

- > This unique product is proudly designed and built in the USA, using the best commercially available BAE thermal imaging cores and the highest grade optical components.
- > Nox can be user-configured for the right or left eye, dual-mounted with another Nox, or with a night vision monocular, such as PVS-14
- > Solid mechanical design ensures zero retention throughout the adjustment range and is highly recoil resistant.
- > Each NOX ships with a standard CR123 battery and a rechargeable 18650 battery (and charger). Depending on ambient temperature, you can expect up to an hour and a half of run time with a standard CR123 battery and from four to seven plus hours on the rechargeable 18650 battery. For the ultimate power solution, Nox can be powered with an external USB battery bank via the provided USB-C cable.

