

ACE

BOLT-ACTION OPTIMIZED OPTIC

The ACE is built around the idea of combining leading user-requested features in a streamlined optic that balances advanced capability with ease-of-use in the field. Designed to feel like a traditional day optic, the ACE is compatible with bolt action or semi-automatic rifles using standard 30 mm mounts and rings. The combination of an internal USB-C charging battery and a removable 18650 style rechargeable battery allows users to hot-swap batteries in the field to run indefinitely. A 1-3x ocular magnifier provides optical magnification of the 2560x2560 round AMOLED display inside the eyepiece. The Vision+ system pairs this high resolution display with a 15 mK NETD sensor for an incredibly detailed and precise image. The 1,300 yard capable laser rangefinder on the ACE is integrated directly into the 50 mm germanium objective lens. In addition to streamlining the body design and reducing bulk, this allows for improved horizontal alignment of the infrared laser with the viewing system.



An ergonomic optical zoom system on the eyepiece (ocular lens) allows additional magnification and smooth manual zoom up to 3x. This system is independent of digital magnification and works at all digital magnification levels without shifting or scaling the reticle, relative to the target.

 INVISIBLE LASER RADIATION
AVOID DIRECT EYE EXPOSURE 900nm <700nj 42nsec 10khz
CLASS 3R LASER PRODUCT

Simplified Menu & Controls
One button and one dial control all menu functions.

Quick-access Panel
Fast and simple control of power, recording and rangefinder functions.

2560x2560 Round AMOLED Display
Provides increased clarity and detail.

ACE H50R

Manual Focus 50 mm f/0.9 Lens
The large diameter germanium lens provides a sharp image and 3x base magnification.

Lens-integrated Laser Rangefinder
Provides real-time range data (single-firing or continuous) on the display.

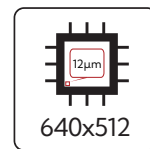
1-3x Ocular Magnifier
Provides smooth internal optical zoom, regardless of digital magnification level.

IRB-2 Battery
Common 18650 style batteries make sourcing, charging and swapping batteries easy.

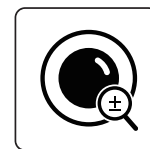


ACE	H50R
Sensor	
Resolution	640x512
Pixel Size	12 μm
Frame Rate	60hz
Sensor Sensitivity	≤15 mK
Image Processing	Reality+
Core	Nocpix 640
Optics	
Objective Lens	50 mm f/0.9
Magnification	3x
Digital Zoom	8x
Field of View	8.8° x 7.0°
Detection Range	2850 Yards
Display Type	1.03-inch Large-format AMOLED
Display Resolution	2560x2560
Color Palettes	White Hot, Black Hot, Red Hot, Color, Crimson, Viridian, Violet
P.I.P.	Yes
Rangefinder	Integrated 1,300 yd LRF
Eye Relief	50 mm
Diopter Range	-5 to +5
Electronics	
Onboard Recording	Video, Recoil-Activated Video, and Image
Onboard Storage	64 GB
Wireless Connectivity	Image and Video via App.
Data/Power Connector	USB-C
Power Supply	USB-C External, Built-In Battery Pack (3.5+ Hours), IRB-2 x2 (3.5+ Hours Each)
Start Up Time	<10 Seconds, Instant from Standby
Physical	
Size	14.37" x 3.54" x 2.68"
Weight	39.5 Oz
Environmental/Warranty	
Warranty	5 Years
Housing Material	T-6063 Aluminum
Ingress Protection	IP67
Operation Temperature	-4°F~122°F

- Lens-integrated laser rangefinder adds rangefinding capability to the optic and better laser alignment without adding bulk.
- A 1-3x optical ocular magnifier provides additional magnification of the display without any reticle shift or digital zoom.
- High-contrast round 2560x2560 AMOLED display provides increased clarity and detail.
- Simplified controls offer improved ergonomics and a better user experience in the field.
- Uses common 18650 style rechargeable batteries.
- A ballistic calculator function displays bullet drop values based on the laser rangefinder input data and a user-customized cartridge profile.
- Charge through the unit with a unique lock-out USB-C port design.



Sensor Resolution



Ocular Zoom



Vision + System



Lens-integrated LRF



Fast f/0.9 Lens



Fast Refresh Rate



Removable Battery



To learn more about this product scan the QR code or visit nocpixusa.com/ace

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