



QUEST RANGEFINDING THERMAL BINOCULARS

All new for 2025, QUEST binoculars deliver a comfortable and intuitive viewing experience. Unlike thermal monoculars, the QUEST binoculars allow users to use both hands and both eyes while scanning – providing a smooth and comfortable feel, just like traditional daylight binoculars. A $12\ \mu\text{m} \leq 15\text{mK}$ 640x512 thermal sensor captures every detail, while the Reality+ image processing algorithm delivers a vivid picture to the 1920x1200 displays (full resolution per each eyepiece). Each display has a dedicated diopter and position adjustment. QUEST binoculars also include an easy-to-use 1,000 yard laser rangefinder that can run in either single-firing or continuous modes to show target distance on the display. The combination of an internal USB-C rechargeable battery and an auxiliary IRB-2 (18650 style) rechargeable battery allows users to hot-swap the power source and keep running all night long. The QUEST is available with a 50 mm objective lens (model H50R) or a 35 mm germanium objective lens (H35R). Each comes with everything you would expect from high-end binoculars, including a comfortable and fully adjustable binocular harness.



QUEST H50R pictured.



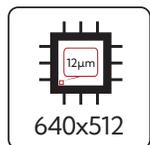
Smooth-turning, textured dials control the objective focus (large black dial) and the continuous digital zoom (smaller silver dial) for a fast, intuitive, and ambidextrous user experience.



WHAT'S NEW?

All new for 2025, the QUEST Series brings the power of a 640 thermal core and integrated laser rangefinder to the comfortable and familiar feel of traditional binoculars.

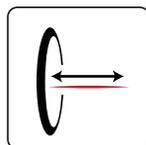
- Dual 1920x1200 AMOLED displays.
- 1,000 yard integrated laser rangefinder
- Focus and zoom are controlled by smooth-turning ergonomic dials.
- Uses common 18650 style rechargeable batteries.
- A fully-adjustable forward-opening binocular harness is included.
- Independent diopter focus and interpupillary adjustment for each eye.



Sensor Resolution



Lightweight Design



Integrated LRF



Water Resistance



Dual AMOLED Display



Fast Refresh Rate



Removable Battery



	NEW QUEST H35R	NEW QUEST H50R
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	NEW QUEST H35R	NEW QUEST H50R
SENSOR		
Resolution	640x512	
Pixel Size	12 µm	
Frame Rate	60 Hz	
Sensor Sensitivity	≤15 mK	
Image Processing	Reality+	
Core	Nocpix 640	
OPTICS		
Objective Lens	35 mm f/0.9	50 mm f/1.1
Native Magnification	3x	4x
Digital Zoom	8x	
Field of View	12.5° x 10.0°	8.8° x 7.0°
Detection Range	1,970 Yards	2,850 Yards
Display Type	AMOLED	
Display Resolution	Dual 1920x1200 Displays	
Color Palettes	White Hot, Black Hot, Red Hot, Color, Crimson, Viridian, Violet	
Picture-in-Picture	Yes	
Rangefinder	Integrated 1,000 yd LRF	
Eye Relief	25 mm	
Diopter Range	-5 to +5	
ELECTRONICS		
Onboard Recording	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, 18650 Li-ion Batteries x2 (4+ Hours Each)	
Start Up Time	<10 Seconds, Instant from Standby	
PHYSICAL		
Size	6.91" x 5.43" x 2.60"	
Weight	24.69 oz.	
ENVIRONMENTAL & WARRANTY		
Warranty	5 Years	
Housing Material	Polymer with Rubber Overmold	
Ingress Protection	IP67	
Operation Temperature	-4°F~122°F	