





SMART HD OPTICS




# BinoX THD 640 2.5-25x THERMAL SMART HD BINOCULARS

**ATN** THE FUTURE  
OF OPTICS



## FEATURES

-  **RECORD HD VIDEO**
-  **WiFi**
-  **SMOOTH ZOOM**
-  **E-COMPASS**

-  **GEOTAGGING**
-  **OBSIDIAN USER INTERFACE**
-  **3D GYROSCOPE**

## DESCRIPTION

No longer do thermal binoculars need to be expensive and clunky. The Thermal BinoX is here to provide you with unprecedented capabilities at a fraction of the cost. Well designed, ergonomic and sporting a professional 50mm germanium lens, the Thermal BinoX is a pleasure to behold.

Powered by the powerful Obsidian “T” Core the Thermal BinoX comes in both 384x288 and 640x480 configurations to provide sharp and clear images. Like the rest of the Smart HD series of optics, the Obsidian “T” core utilizes a slew of sensors to seamlessly gather information about your environment. Record video and capture photos directly to your microSD card or stream them to your mobile device through the built-in Wi-Fi. The Thermal BinoX comes with more features than you will know what to do with at first, but soon you won’t know how you lived without them.

## SPECIFICATIONS

ITEM #	TIBNBXH643A
Sensor	640x480
Magnification	2.5 – 25x
Angle of view	12.5x9.7
Objective lens focal length	50 mm
Micro Display	960x540x2
Core	ATN Obsidian “T”
Eye relief	10 – 30 mm
Interpupillary adjustment range	60 – 70 mm
Waterproof rating / IP rating	Weather resistant
Video Record Resolution	1280x960 @ 30 fps
Microphone	Yes
Micro SD card	Up to 64 GB
Micro USB	External Battery Pack
Micro HDMI	Yes
WiFi (Streaming, Gallery, & Controls)	iOS & Android
GPS (Geotagging, Elevation, etc.)	Yes
3D Gyroscope	Yes, GS3
3D Accelerometer	Yes
3D Magnetometer	Yes
Electronic Compass	Yes
Smooth Zoom	Yes
Battery life (Li-ion)	6 – 8 hr
Battery type	(3) CR 123
Warranty	3 years
Human Detection Range	1500
Human Recognition Range	600
Human Identification Range	360

\* Specifications subject to change without notice