

RFX



THERMAL  
IMAGING SCOPE  
**DBH D12**

User Manual V1.0



Please inspect your batteries for any external damage before charging.

Please make sure you fully charge your batteries before use.

Do not point at the sun and/or high heat sources.



We appreciate you choosing RIX.

Please read the instruction manual carefully before using the product.

Please visit the RIX official website or the RIX mobile APP to view the latest product manuals





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## 01 PRODUCT OVERVIEW

Designed by Hunters, for Hunters.

Introducing the DBH D12, the ultimate tool for hunting, observing, tracking and seeing at night. Equipped with cutting-edge thermal imaging technology and high-sensitivity infrared detectors, the DBH D12 ensures exceptional performance, even in challenging weather conditions like rain, snow, fog, and haze.

Built to excel in observation and geographic positioning, the DBH D12 boasts a versatile suite of features, including photography, video recording, laser range finding (LRF), a laser pointer, digital zoom, picture-in-picture (PIP), and recoil-activated video capture. Whether you're scouting, tracking, or documenting, the DBH D12 is designed to meet your every need in the field.

## 02 PRODUCT FEATURES

|                                                                    |                               |
|--------------------------------------------------------------------|-------------------------------|
| 1280×1024 resolution                                               | 2560x2560 HD circular display |
| Threaded eye cup                                                   | 3x-20x E-Zoom                 |
| Ballistic calculation long range precision can pair with a kestrel | Integrated laser pointer      |

## 03 PRODUCT DESCRIPTION

| Model                         | DBH D12          |
|-------------------------------|------------------|
| <b>Sensor Specifications</b>  |                  |
| Type                          | VOx Uncooled     |
| Resolution,pixels             | 1280×1024        |
| Pixel Pitch, μm               | 12               |
| NETD, mK                      | ≤15              |
| Frame Rate, Hz                | 50               |
| <b>Optical Specifications</b> |                  |
| Optical Specifications        | 75 F1.0          |
| Optical Zoom, x               | 3                |
| Field of view, degrees        | 11.7×9.3         |
| Digital zoom, x               | 3 to 20, stepped |
| Eye relief, mm                | 60               |
| Diopter adjustment, D         | -5 to +5         |
| Detection range, yd           | 4260             |

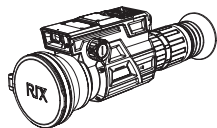
# 03 PRODUCT DESCRIPTION

| Model                            | DBH D12     |
|----------------------------------|-------------|
| <b>Display Specifications</b>    |             |
| Type                             | OLED        |
| Resolution, pixels               | 2560 x 2560 |
| <b>LRF Specification</b>         |             |
| Type, nm                         | 905         |
| Max Range, yd                    | 1312        |
| <b>Wi-Fi</b>                     |             |
| Wireless Protocol                | Wi-Fi       |
| Frequency, GHz                   | 2.4         |
| <b>Video Recorder</b>            |             |
| Video / Photo Resolution, pixels | 1280×1280   |
| Video / Photo Format             | .mp4/.bmp   |
| Built-in Memory, GB              | 64          |

## 03 PRODUCT DESCRIPTION

| Model                                | DBH D12     |
|--------------------------------------|-------------|
| <b>Physical Specification</b>        |             |
| Degree of Protection, IP code        | IP67        |
| Operating Temperature Range, °F      | -4 to +122  |
| Weight, lb                           | 3.47        |
| Dimensions, inch                     | 10.3×3×4.2  |
| <b>Connections and Compatibility</b> |             |
| Battery Type                         | 18650×2     |
| Capacity, mAh                        | 3800        |
| Operating time at (at t=72 °F), h    | 7           |
| Max. recoil, g / Joules              | 1000 / 6000 |
| Ballistic calculation                | Yes         |

## 04 IN THE BOX



The DBH series thermal imaging device



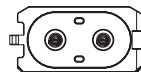
Picatinny Mount



Package bag



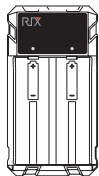
Eyepiece hood



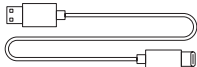
Battery compartment cover (with screw)



Thermal target × 10



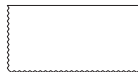
Battery charger



USB type c cable



Battery × 4



Lens cloth



Hex key



Screwdriver

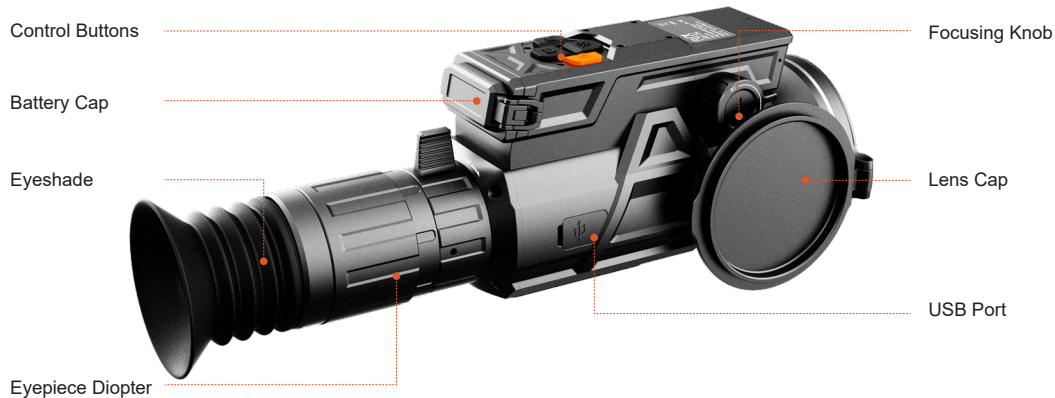


Screw × 6

## 05 PRODUCT APPEARANCE



# 05 PRODUCT APPEARANCE



## 06 PRODUCT INSTALLATION

Please follow the schematic below for proper installation.

- » Before attempting to install your scope, please ensure that your firearm is unloaded and the muzzle is pointed in a safe direction.
- » Fasten the mount to the scope with three hex screws.
- » Unlock the mount. To do this, depress the lock button and swing the lever 90° to the open position.

