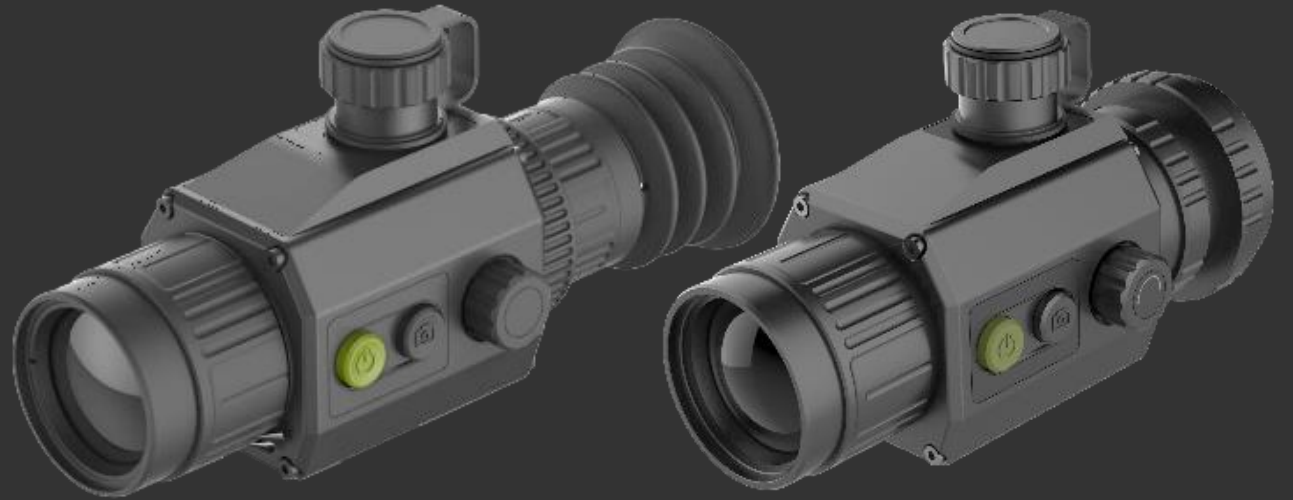


# Charon

- PixFra™ by Dahua



# SKU Selection

## Scope



<b>PFI-C425</b>	400 x 300 resolution, 25mm lens
<b>PFI-C435</b>	400 x 300 resolution, 35mm lens
<b>PFI-C450</b>	400 x 300 resolution, 50mm lens
<b>PFI-C635</b>	640 x 512 resolution, 35mm lens
<b>PFI-C650</b>	640 x 512 resolution, 50mm lens

## Clip-on



<b>PFI-C425F</b>	400 x 300 resolution, 25mm lens
<b>PFI-C435F</b>	400 x 300 resolution, 35mm lens
<b>PFI-C450F</b>	400 x 300 resolution, 50mm lens
<b>PFI-C635F</b>	640 x 512 resolution, 35mm lens
<b>PFI-C650F</b>	640 x 512 resolution, 50mm lens

# Highlights

## Replaceable and Rechargeable Battery

- Long battery life. Up to 7.5 hours on a single charge
- Two batteries PLUS a battery charger are included in package

## Powerful Thermal Imaging Sensor

- Effective pixels: **400×300 / 640×512**
- 12μm imaging sensor with **NETD <30mK** value ensures perfect detail recognition even in the most severe weather conditions
- **1440\*1080 Full HD OLED display**
- Excellent detection range: **2600m**

## High Image Frequency without Smear



## High Shock Resistance

- **Shock resistance up to 800g/s**
- **IP67 waterproof rating**
- **Increased guide rail** that demands flexible mounting options with eye relief

## User-Friendly Scenario

- A selection of **11 reticle shapes** in **multiple color modes**
- Up to **6 zeroing profiles**, with **6 distance** coordinates in internal memory for quick rifle change-outs and on-the-fly adjustments
- **Picture-in-Picture** displays a magnified image at the top-center of the overall view for precise zooming on the object
- **Recoil-activated video**, locking the 15s clips with video & audio recorded before and after shooting so that no wonderful moments are missed.

# Innovative Ergonomic Design

**PIxFra**<sup>™</sup>  
by Dahua

**Large aperture f1.0  
germanium optics**  
(Lens focus ring)

**USB Type-C**  
( Charge/Data transmission)

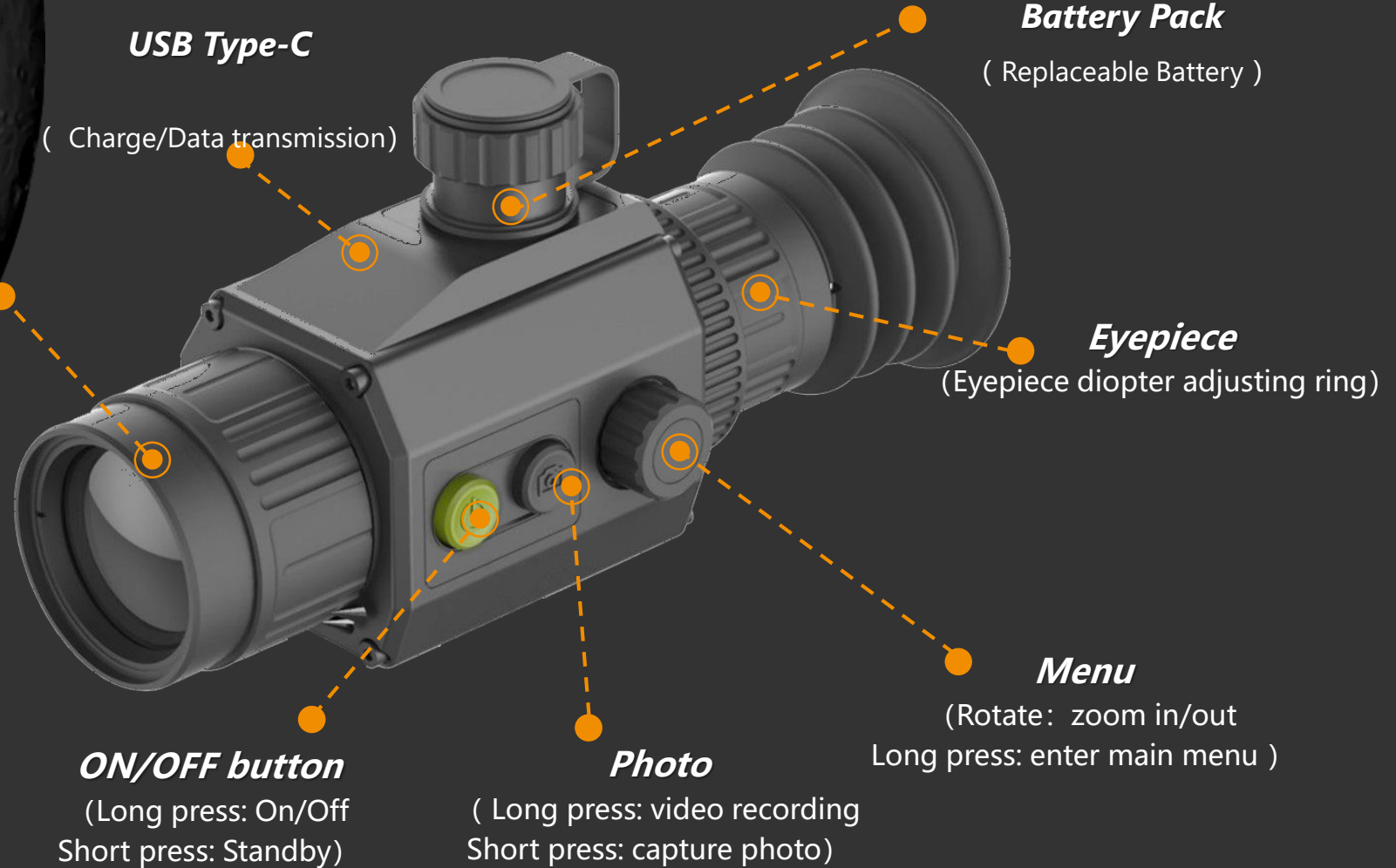
**Battery Pack**  
( Replaceable Battery )

**Eyepiece**  
(Eyepiece diopter adjusting ring)

**ON/OFF button**  
(Long press: On/Off  
Short press: Standby)

**Photo**  
( Long press: video recording  
Short press: capture photo)

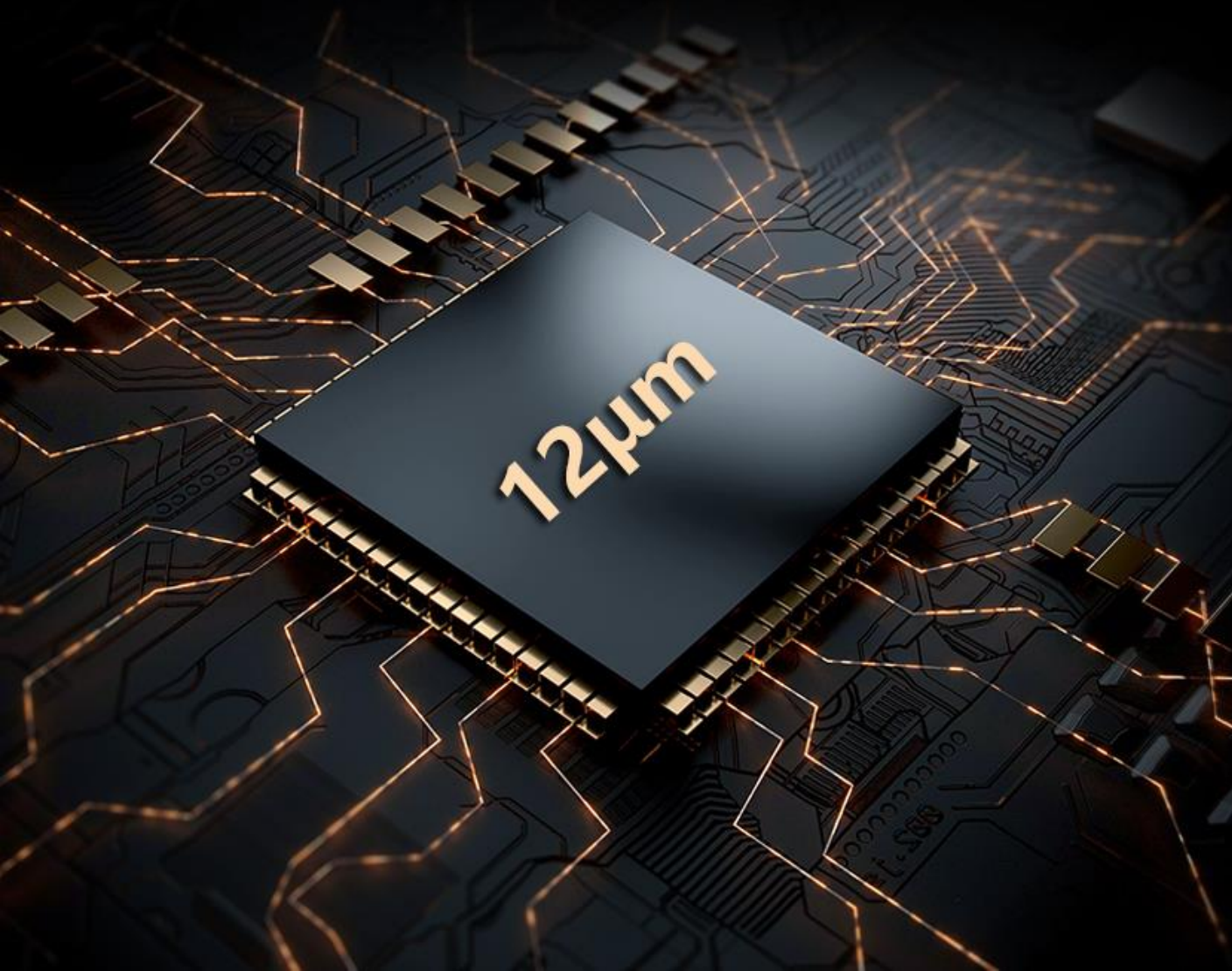
**Menu**  
(Rotate: zoom in/out  
Long press: enter main menu )





# Powerful Thermal Imaging Sensor

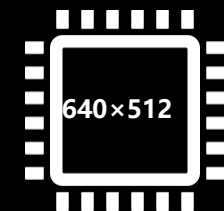
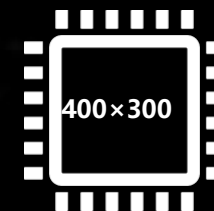
**PIxFra**<sup>™</sup>  
by Dahua



## *Thermal Imaging Sensor @ 12µm*

**NETD <30mK** value ensures perfect detail recognition even in the most severe weather conditions when thermal contrast is low.

The slight temperature differences in observed objects can be clearly visible during heavy rainfall, dense fog or cold mornings making it easy to recognize and identify the game and its features.

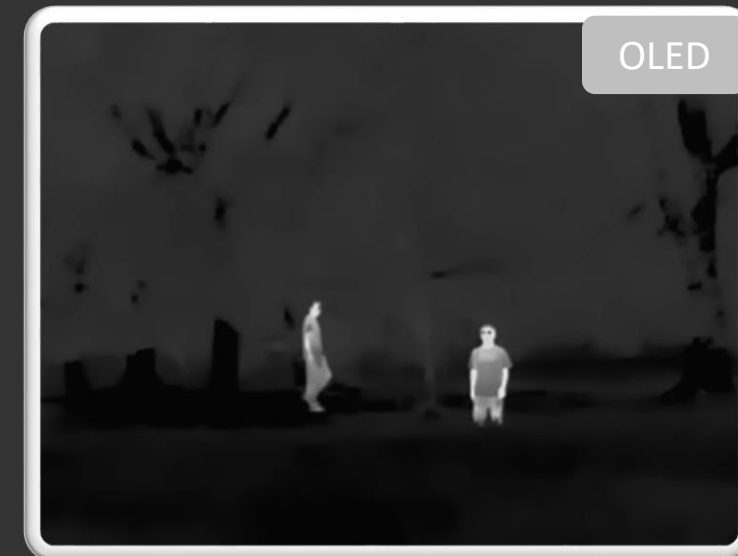
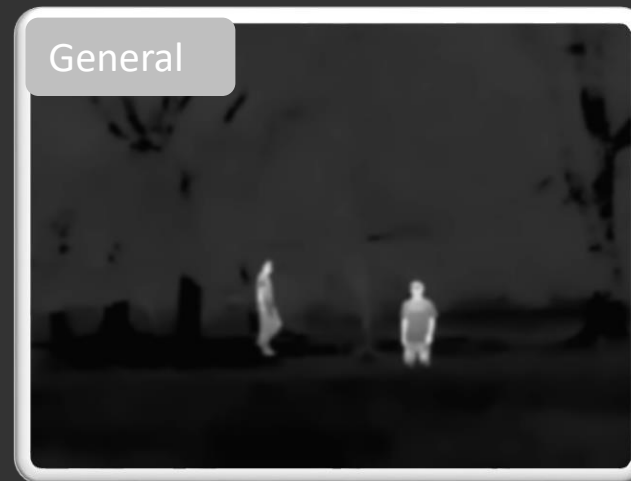


# 1440x1080 OLED Display

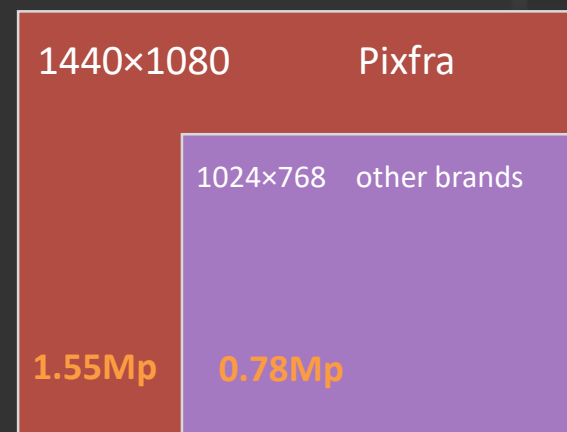
**High definition, contrast and quick-response image** is the root of scopes, providing a clear and smooth image for on-the-move observation or in cold conditions.

**OLED**, the future of mainstream screen-display technology, with a flawless image quality that is instantly recognizable.

**1440 x 1080 OLED display**, bringing the image contrast and color rendering into a brand new level.



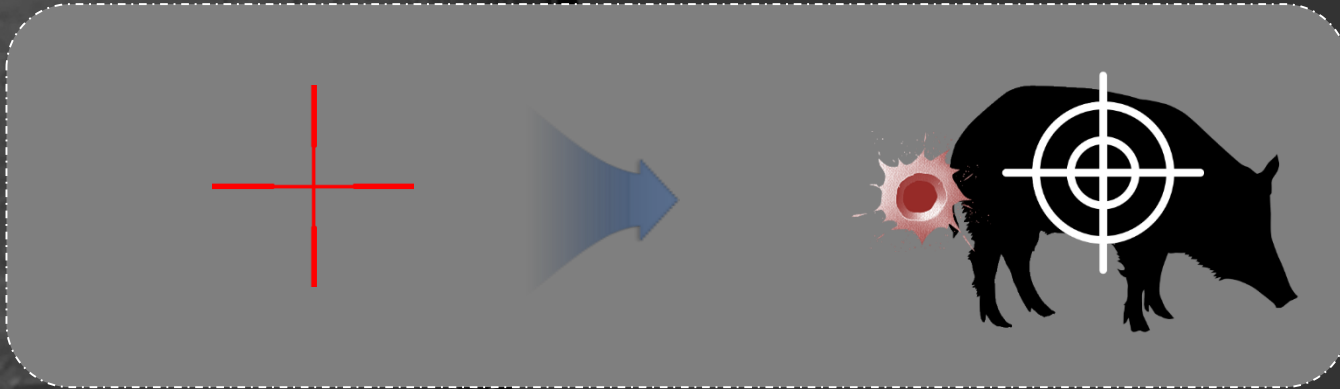
OLED display provides more excellent display performance



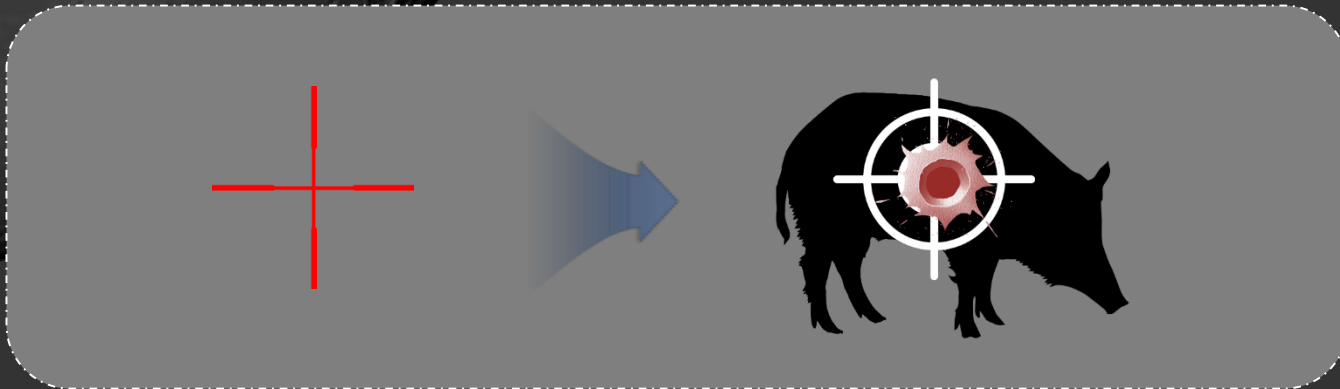
*All Charon models adopts 1440×1080 OLED display, compared to 1024×768, double pixels.*

**Higher definition, Richer details.**

# Ultra-Low Latency



Other Brand



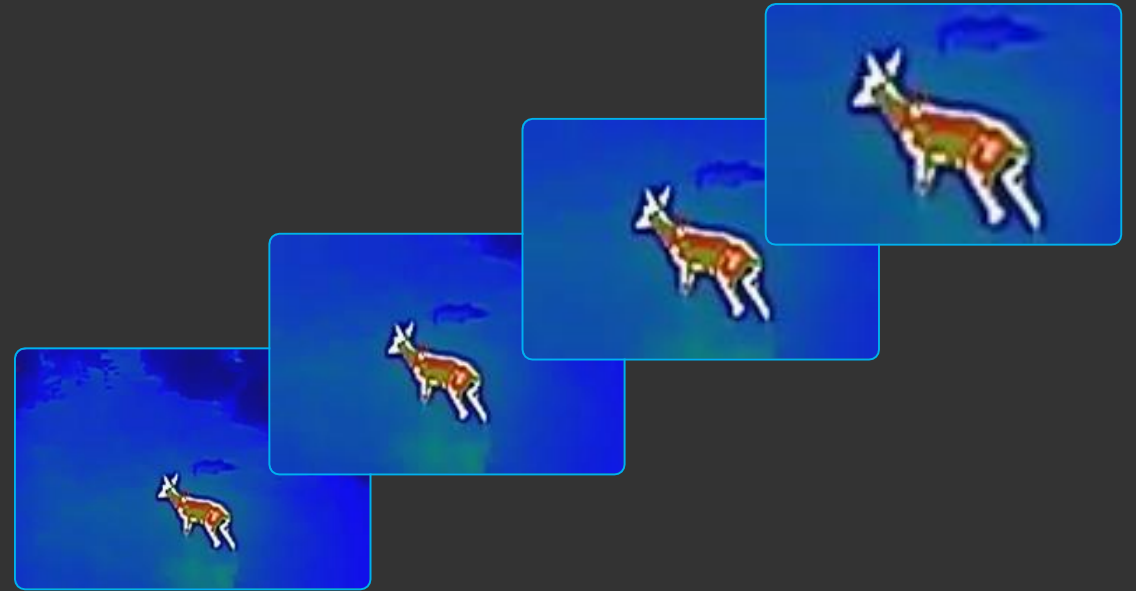
Pixfra

Charon series scopes, with high refresh rates, ultra-low latency, makes the real time and smooth image to grasp the unforgettable moment.

*The speed of the animal is about 40 km/h, running distance of about 11 meters per second, a slight delay of the screen display rate, that is, will miss the best timing to shoot, and thus off target.*

# 8x Digital Zoom

Rotating the knob, smooth digital zooming by 2x, 4x or 8x, as well as return to the basic magnification, which can lock the target quickly.



	C4xx Series			C6xx Series	
Lens	25mm	35mm	50mm	35mm	50mm
Range	<b>1300m</b>	<b>1800m</b>	<b>2600m</b>	<b>1800m</b>	<b>2600m</b>



# Picture in Picture

## Picture in Picture

The frame shows a magnified image of the target and reticle and allows the user to closely see the image in the aiming area and have visual control of the entire field of view at the same time.



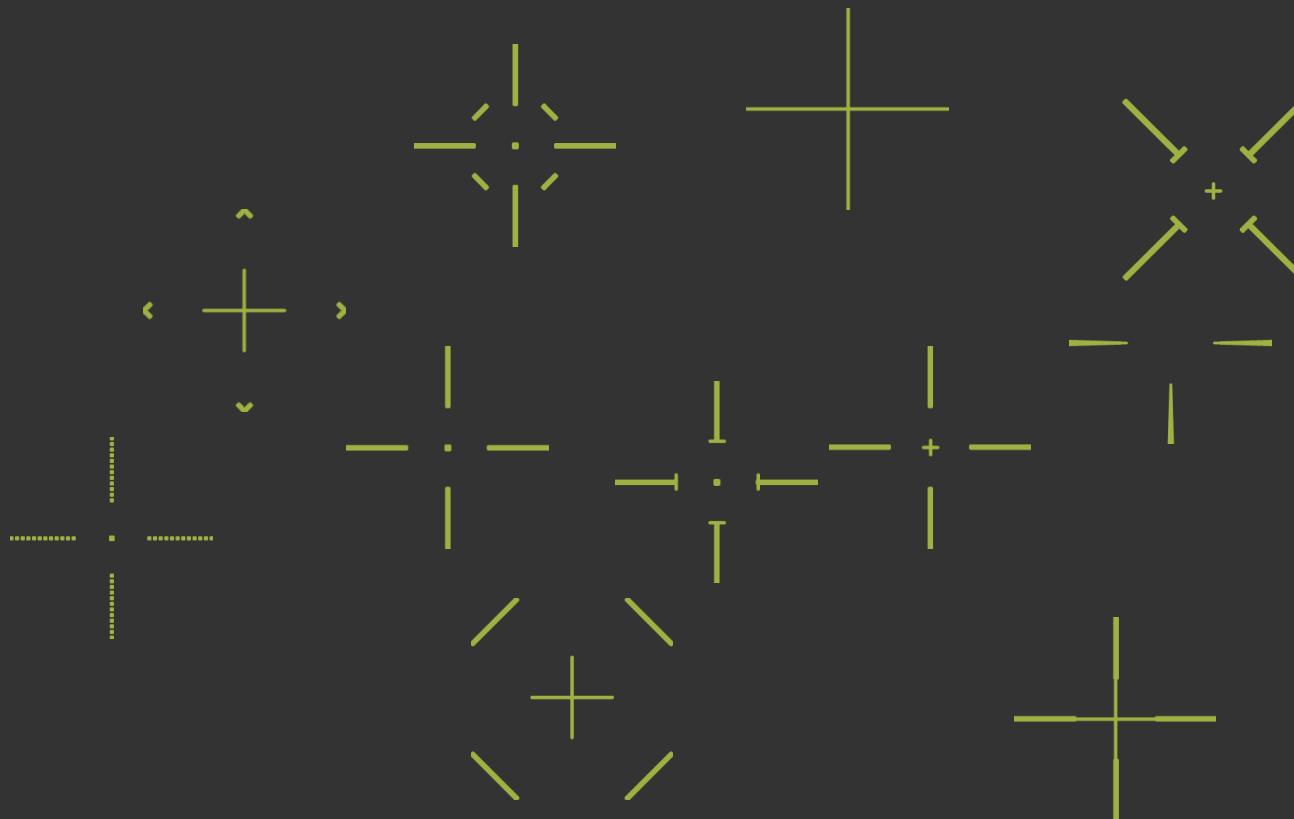
# Various Reticle Types

## 11 Reticle Shapes

Meeting your shooting preference

## 3 Reticle Colors

Helping to optimize aiming for specific conditions



# 6 Zeroing Profiles

## Zeroing



Store up to **6 zeroing profiles**, with **6 distance coordinates** for varying situations, in internal memory for quick rifle change-outs and on-the-fly adjustments.

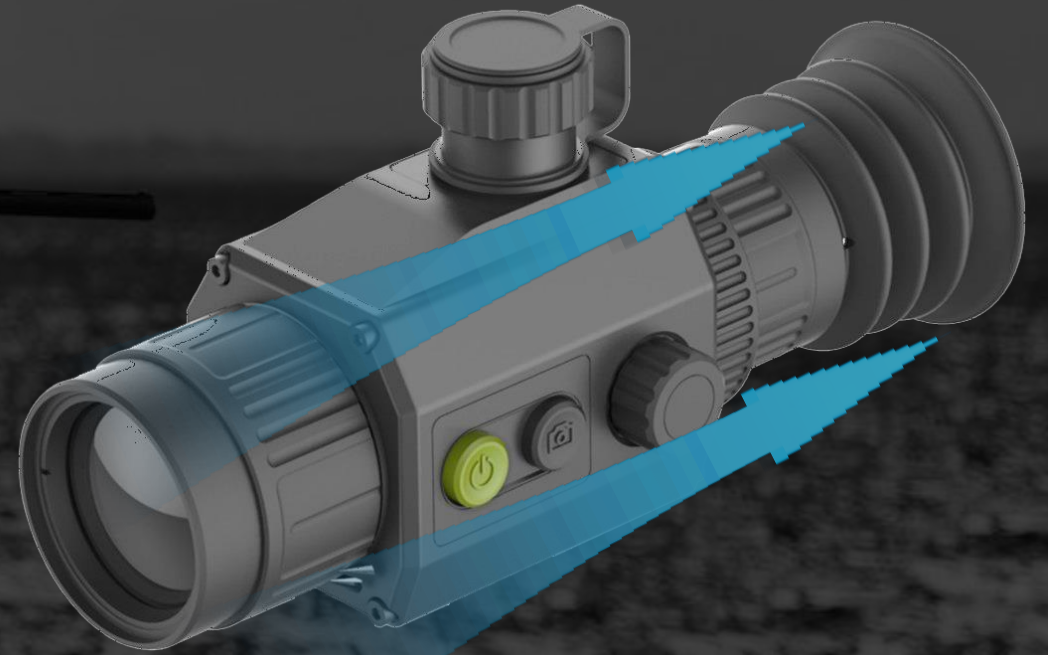


# High Shock Resistance

**PixFra**<sup>™</sup>  
by Dahua

## High Shock Resistance

Metal housing rugged components provides high shock resistance up to 800g/s on larger calibers up to .375 H&H, 12-gauge and 9.3x6.4.





# Recoil-Activated Video Record



## Shooting Moments Record

With built-in recoil-activated sensor, Charon will lock the 15s video clips with audio before and after shooting so that no wonderful moments are missed.

And it can be forwarded to Facebook, YouTube and other social media with one click through the mobile app.



facebook

 YouTube

(Supported in subsequent software iterations)

# Hot Tracking

## Hot Tracking

Automatically detects the highest temperature point on the display and intelligently assists the users to quickly find the target.

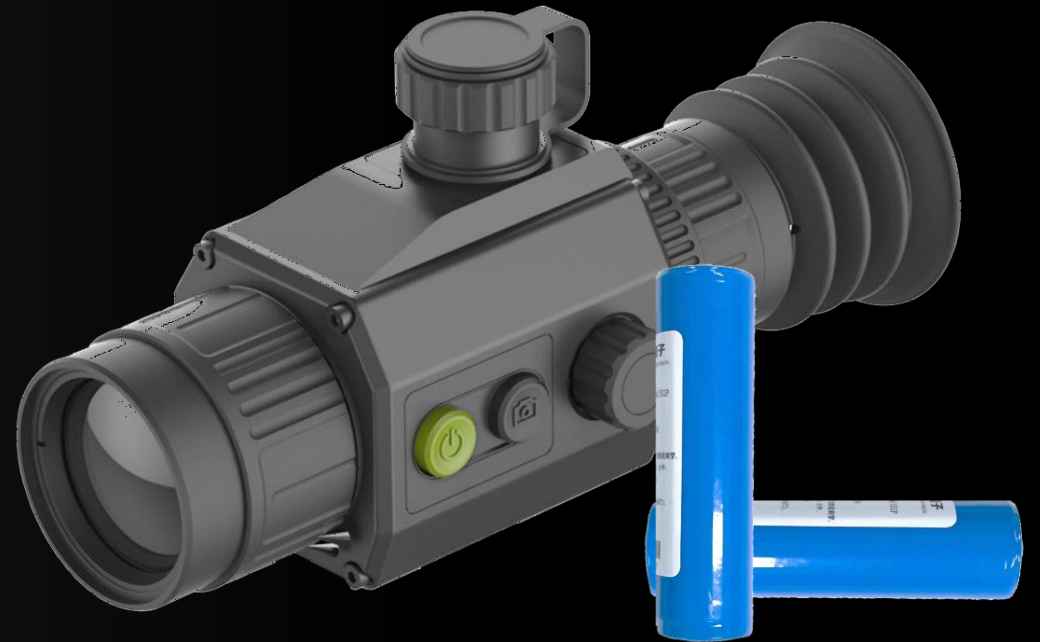


# Long Operation Time

**PixFra™**  
by Dahua

In the package, there are **2 x 18650** rechargeable batteries PLUS **a battery charger**

Up to **15 hours Operation Time** , providing additional time for outdoor activities



# Weather Proof

The device housing is made of **high-quality Magnesium-aluminum alloy**, with excellent heat and wear resistance, durable.

With **IP67 Water-proof Rated**, Charon can work in any harsh condition - high humidity or heavy rain etc.





# Working with APP

**PixFra**<sup>TM</sup>  
by Dahua

Connect the device with smartphones based on Android and iOS via the **Thermal Connection** mobile application.

Available for **4 users** to connect via hotspot at the same time.

**Over 20m live view**, is stable and convenient.



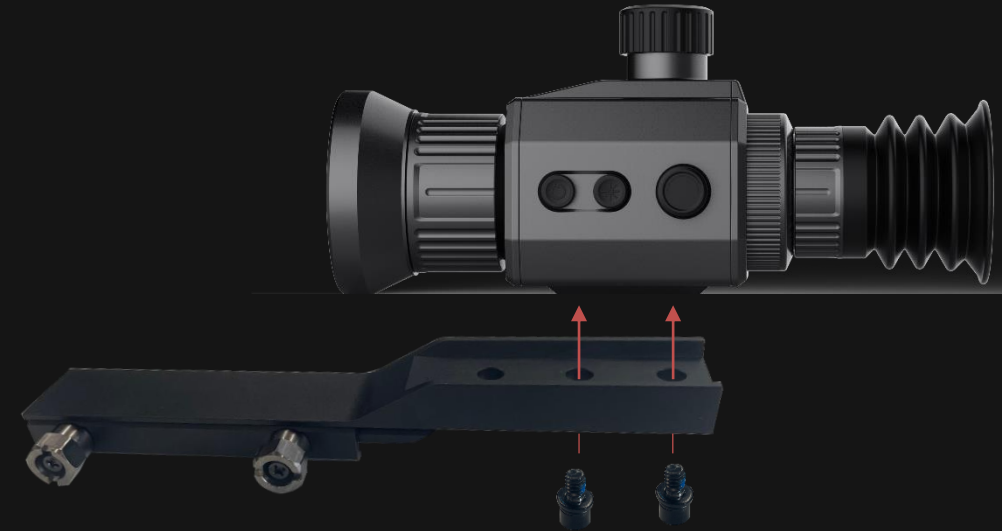
# How to Install

## Before installation

1. Turn off the device
2. Clean the base and rails with a dust-free cloth

## Step 1

1. Mount the device on the rail as shown by the arrow
2. Insert and screws as seen



## Step 2

1. Lock knob and fixing device

