

# Pulsar Monocular Manual

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# Pulsar Monoculars

## Description

The **monocular Pulsar 3×20 B** converts Krypton and Proton devices into handheld thermal imaging monoculars with 3x magnification.

The monocular is installed on the thermal imaging module without an additional adapter.

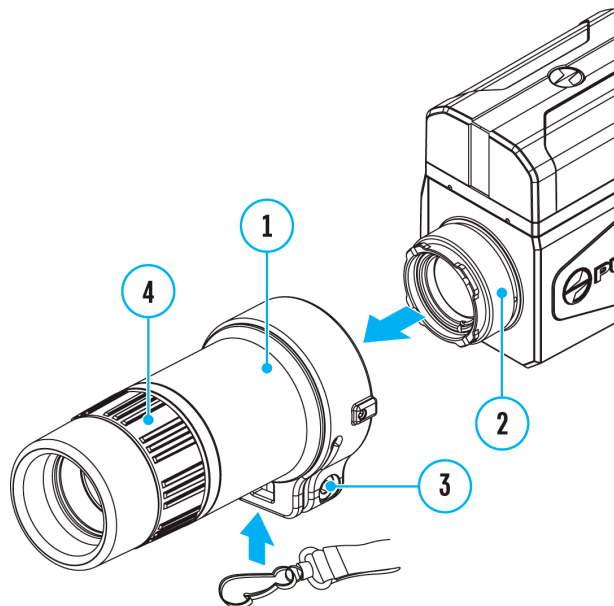
## Specifications

Model	3x20 B
SKU	71014
Magnification, x	3
Lens diameter, mm/inch	20/0.79
Field-of-view, deg	15
Eye Relief, mm/inch	20/0.79
Eyepiece Focusing Range, Diopter	±5
Dimensions, mm/inch	95×45×51 / 3.74×1.77×2
Weight, kg/oz	0.1 / 3.53

# Package contents

- Monocular Pulsar 3×20 B
- Carrying Case
- Neck Strap
- Quick Start Guide
- Warranty Card
- Lens-Cleaning Cloth
- Allen Key

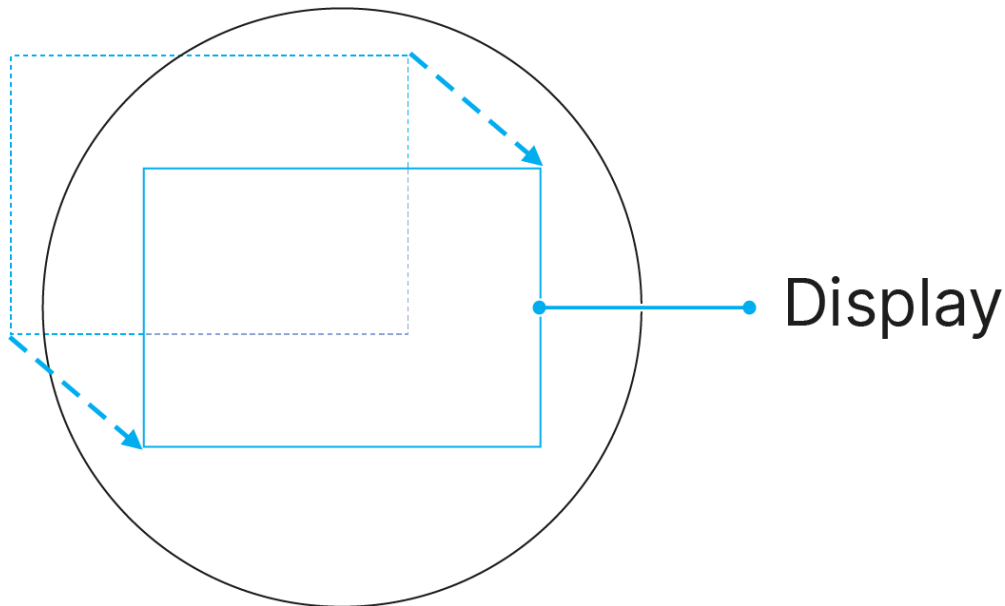
## Monocular installation



**1.** Align the protrusions on the monocular **(1)** on the side of its lens with the grooves of the mount **(2)** of the thermal imaging module.

**2.** Turn the monocular clockwise to secure it on the thermal imaging module. The recommended position of the clamping screw **(3)** is at the bottom (see Figure).

3. Turn on the thermal imaging module.
4. Adjust the eyepiece diopter ring **(4)** until the symbols in the display are sharp.
5. Loosen the screw **(3)** with an Allen key S3.
6. Align the display to the centre of the image in the monocular by tilting the thermal imaging module in the required directions.



7. Lock the monocular in the chosen position by tightening the screw **(3)** until it stops (clamping force – 2.5 Nm/ 22.13 in-lbs).
8. To remove the monocular, turn it counterclockwise and disconnect from the thermal imaging module.

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For technical support please contact [support@pulsar-vision.com](mailto:support@pulsar-vision.com).

Answers to frequently asked questions about the devices can also be found in the **FAQ** section.

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## Description

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## Specifications

**Model**

**3x20 B**

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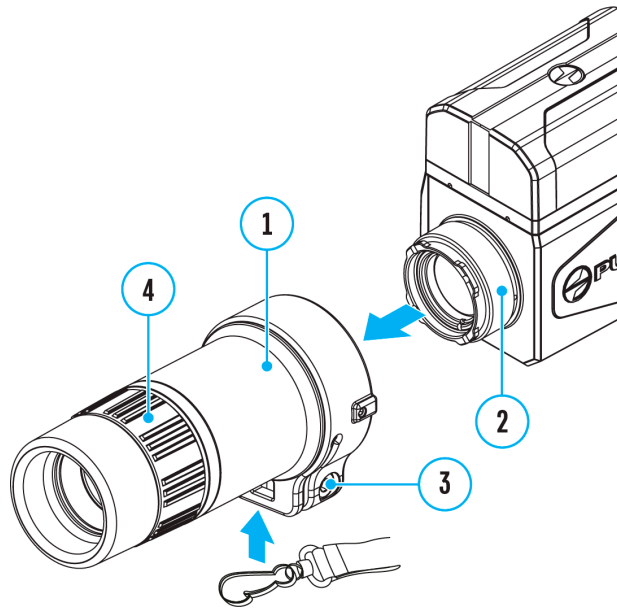
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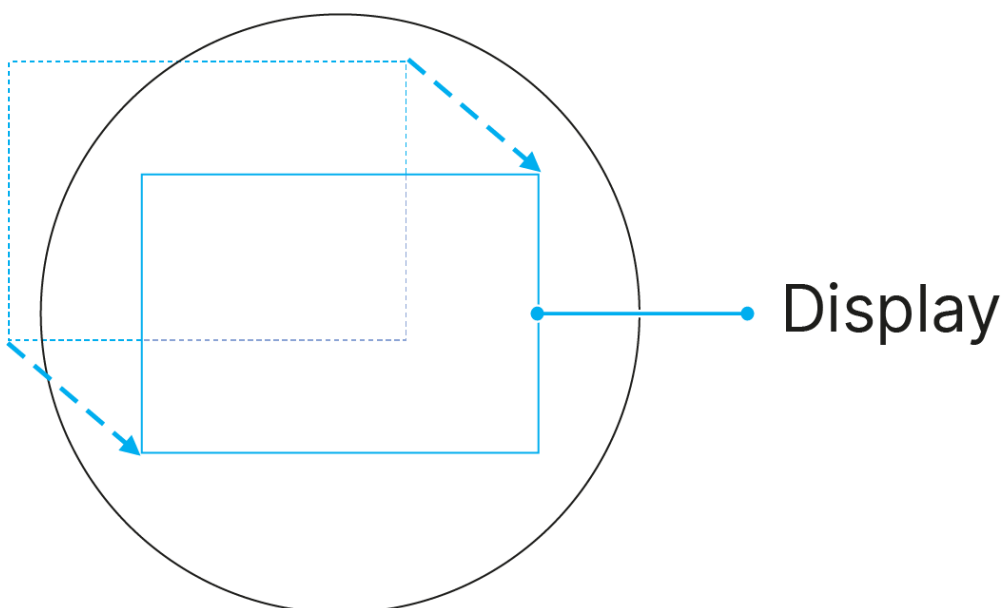
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## Monocular installation



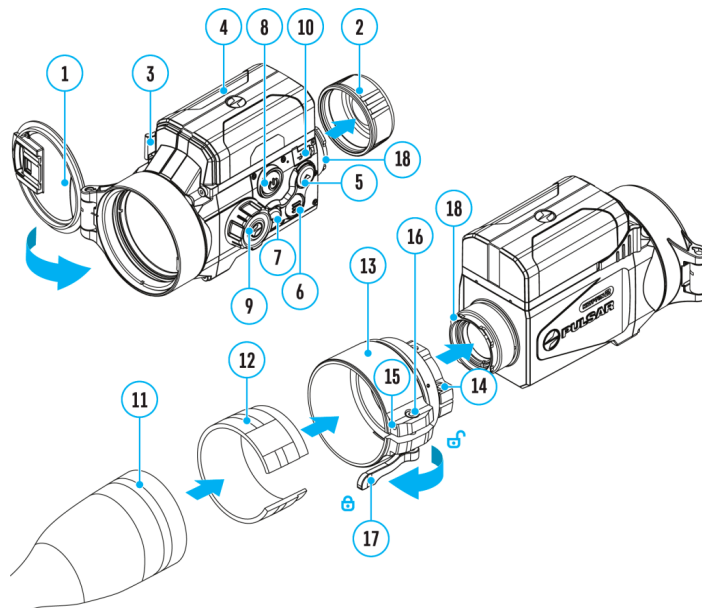
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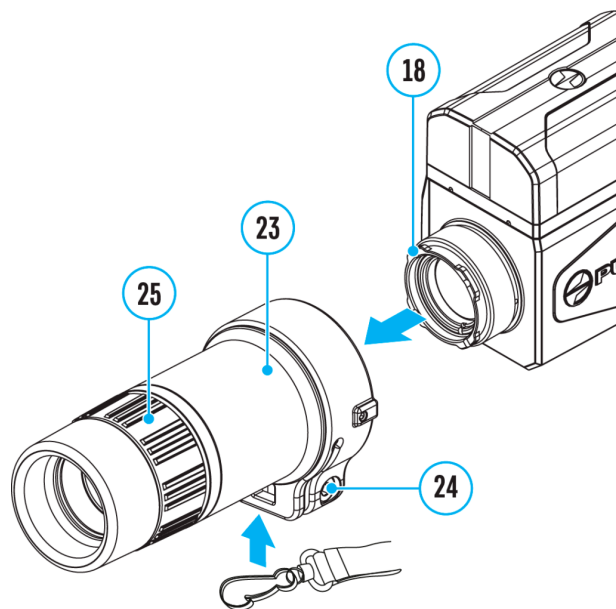
7. Lock the monocular in the chosen position by tightening the screw **(3)** until it stops (clamping force – 2.5 Nm/ 22.13 in-lbs).

8. To remove the monocular, turn it counterclockwise and disconnect from the thermal imaging module.

## Monokuliaro tvirtinimas prie tvirtinimo įtaiso







Su **monokuliaru "Pulsar 3×20 B" (23)** (galima įsigyti atskirai) priedą galima paversti rankiniu termovizoriumi su 3x didinimu.

**1.** Sulygiuokite monokuliario **(23)** objektyvo šone esančius iškilumus su tvirtinimo įtaiso **(18)** grioveliais. **2.** Pasukite monokuliarą pagal laikrodžio rodyklę, kad pritvirtintumėte jį prie priedėlio.

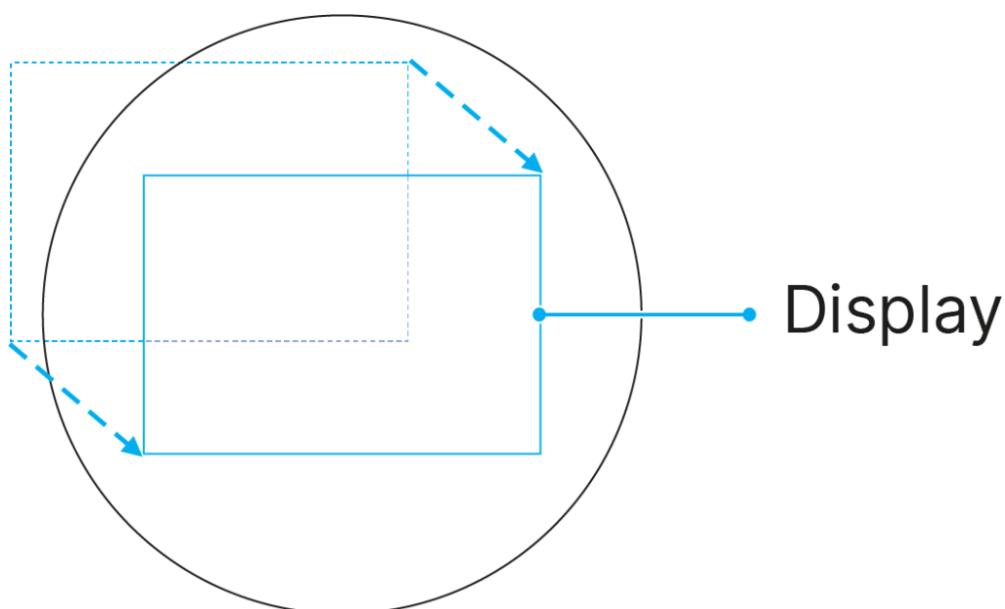
Rekomenduojama tvirtinimo varžto **(24)** padėtis yra apačioje (žr. pav.).

**3.** Įjunkite priedą paspausdami **įjungimo / išjungimo** mygtuką **(8)**.

**4.** Reguluokite okuliario dioptrijų žiedą **(25)**, kol ekrane rodomi simboliai bus ryškūs.

**5.** Atlaisvinkite varžtą **(24)** naudodami priveržiamąjį raktą S3.

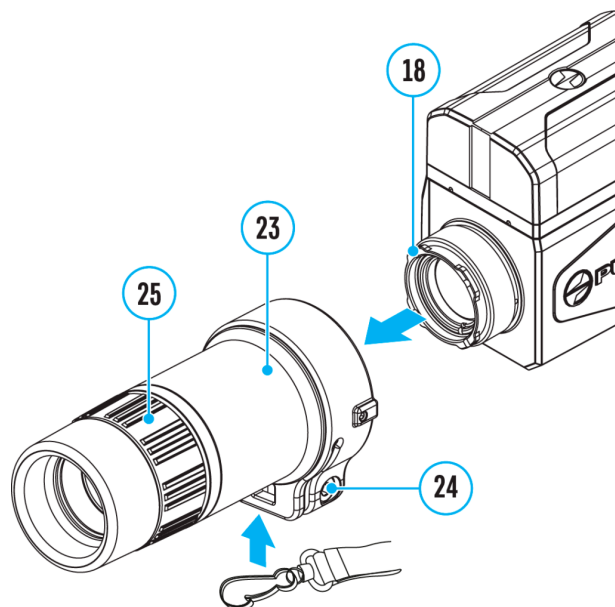
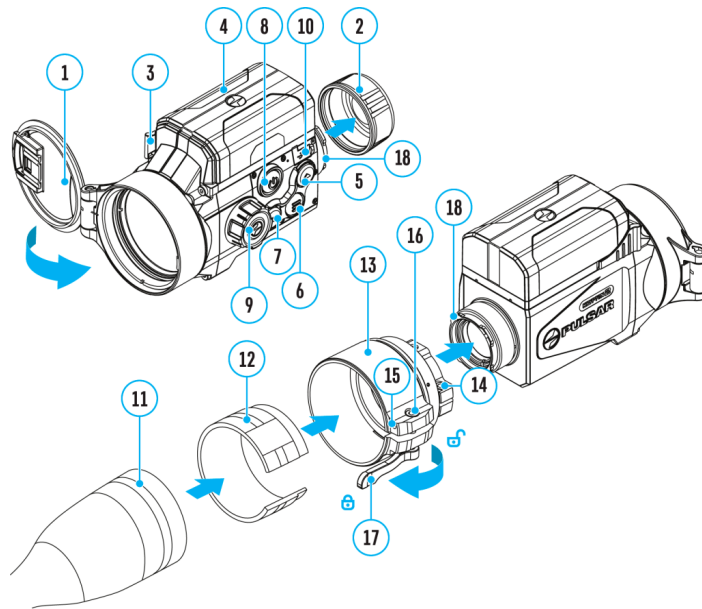
**6.** Sureguliuokite ekraną į monokuliario vaizdo centrą, pakreipdami priedą reikiamomis kryptimis.



7. Užfiksuokite monokuliarą pasirinktoje padėtyje priverždami varžtą (24), kol jis sustos (prispaudimo jėga – 2,5 Nm / 22,13 in-lbs).

8. Norėdami nuimti monokuliarą, pasukite jį prieš laikrodžio rodyklę ir atjunkite nuo tvirtinimo įtaiso.

## Installation du monoculaire sur la fixation



Le **monoculaire Pulsar 3×20 B (23)** (disponible séparément) vous permet de transformer l'accessoire en une caméra thermique portable avec un grossissement de 3x.

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**1.** Alignez les saillies du monoculaire **(23)** sur le côté de son objectif avec les rainures de la monture **(18)** de l'accessoire. **2.** Tournez le monoculaire dans le sens des aiguilles d'une montre pour le fixer sur l'accessoire.

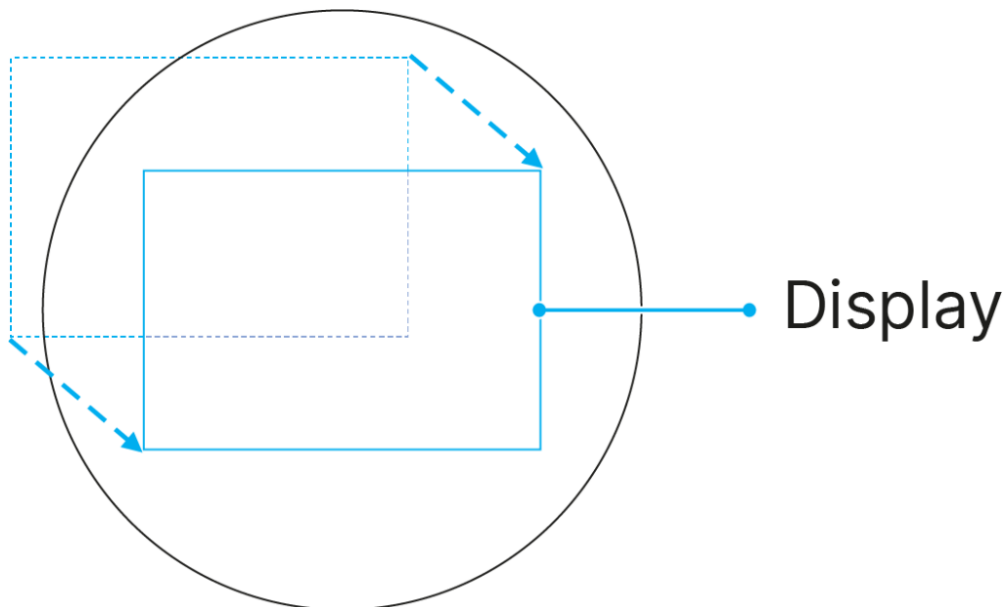
La position recommandée de la vis de serrage **(24)** est en bas (voir figure).

**3.** Mettez l'accessoire en marche en appuyant sur le bouton **ON/OFF (8)**.

**4.** Réglez la bague dioptrique de l'oculaire **(25)** jusqu'à ce que les symboles de l'écran soient nets.

**5.** Desserrez la vis **(24)** à l'aide d'une clé Allen S3.

**6.** Alignez l'écran sur le centre de l'image dans le monoculaire en inclinant l'accessoire dans les directions requises.

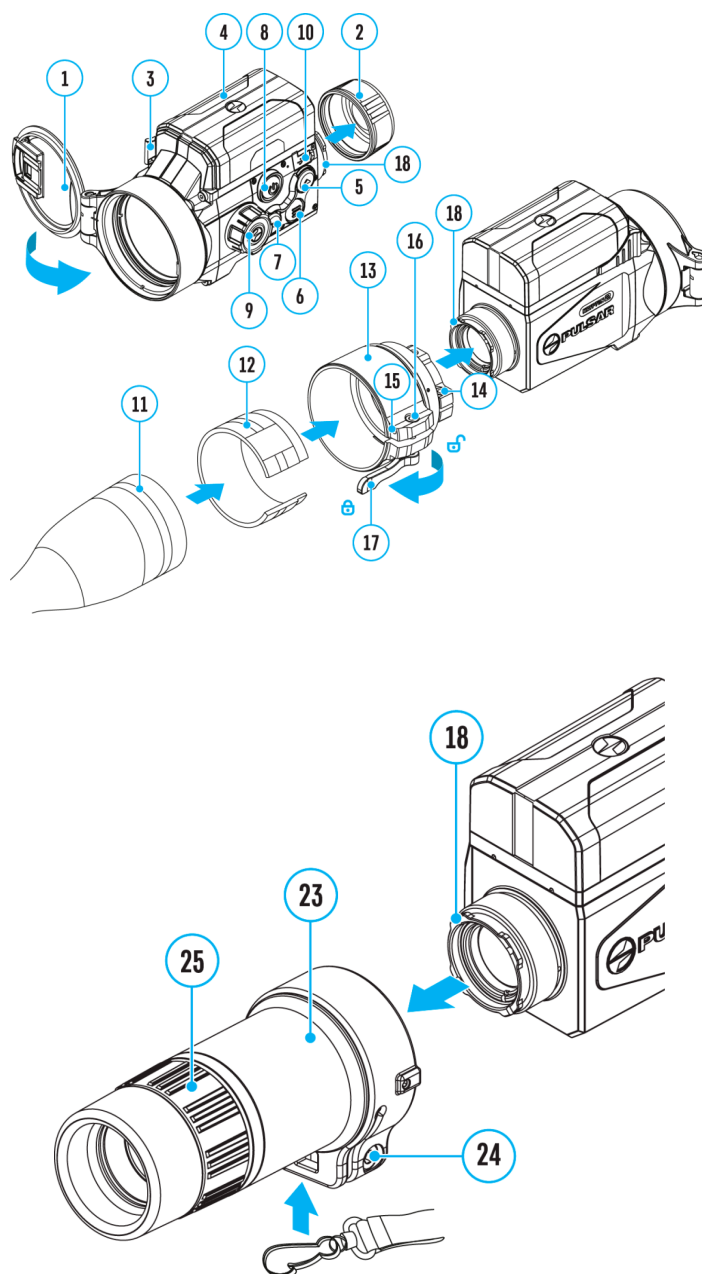


**7.** Bloquez le monoculaire dans la position choisie en serrant la vis **(24)** jusqu'à ce qu'elle s'arrête (force de serrage – 2,5 Nm/ 22,13 in-lbs).

**8.** Pour retirer le monoculaire, tournez-le dans le sens inverse des aiguilles d'une montre et déconnectez-le de l'accessoire.

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## Installazione del monocolo sull'attacco



Il **monocolo Pulsar 3×20 B (23)** (disponibile separatamente) le consente di trasformare l'apparecchio in una termocamera portatile con ingrandimento 3x.

**1.** Allinei le sporgenze del monocolare **(23)** sul lato della lente con le scanalature dell'attacco **(18)** dell'accessorio. **2.** Giri il monocolare in senso orario per fissarlo sull'attacco.

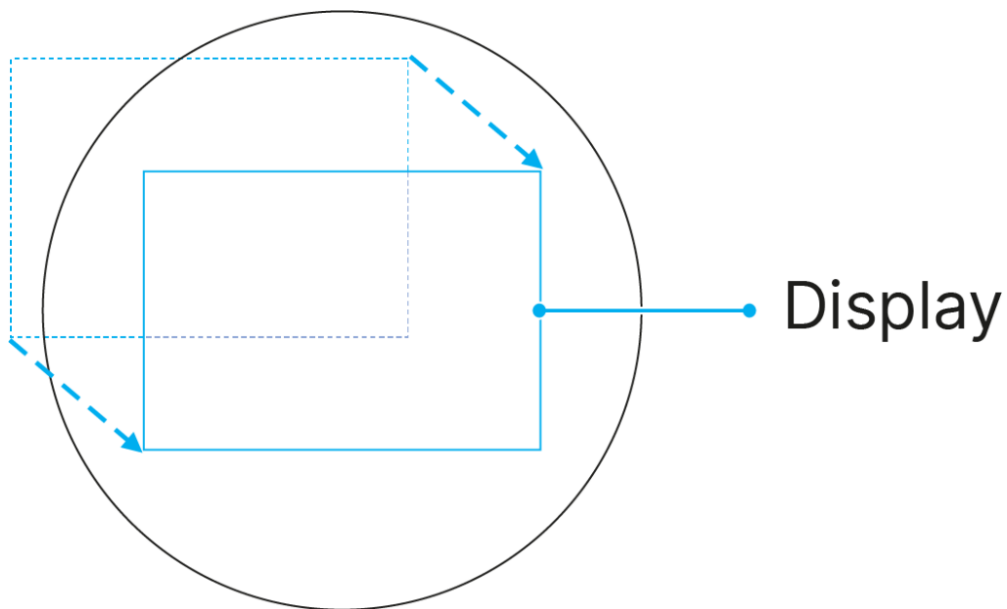
La posizione consigliata della vite di fissaggio **(24)** è in basso (vedere Figura).

**3.** Accenda l'allegato premendo il pulsante **ON/OFF (8)**.

**4.** Regoli l'anello diottrico dell'oculare **(25)** finché i simboli sul display non sono nitidi.

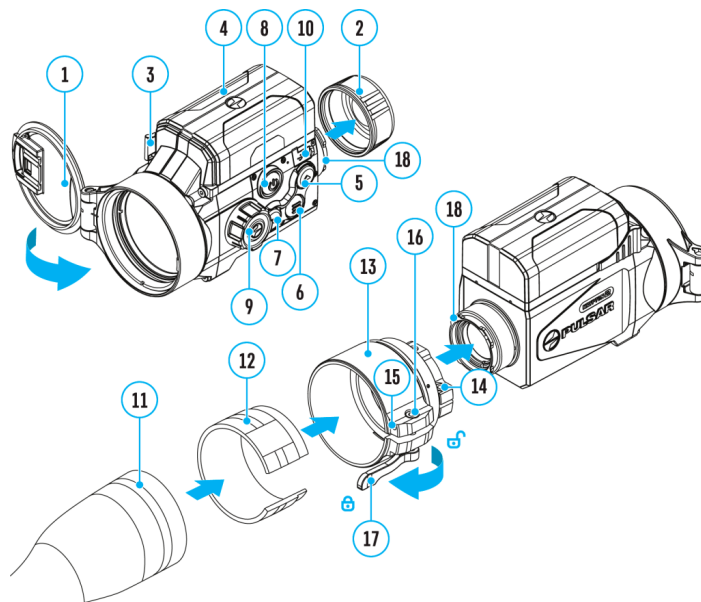
**5.** Allentare la vite **(24)** con una chiave a brugola S3.

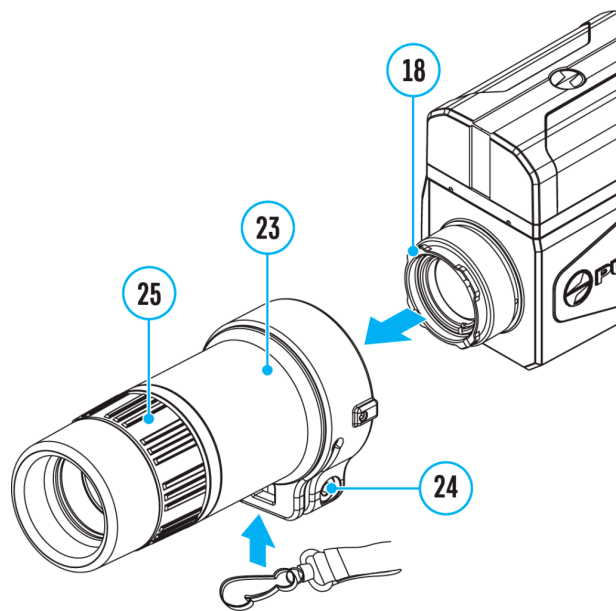
**6.** Allineare il display al centro dell'immagine nel monocolare, inclinando l'attacco nelle direzioni richieste.



7. Blocca il monocolare nella posizione scelta stringendo la vite **(24)** fino all'arresto (forza di serraggio – 2,5 Nm/ 22,13 in-lbs).
8. Per rimuovere il monocolare, lo ruoti in senso antiorario e lo scolleghi dall'attacco.

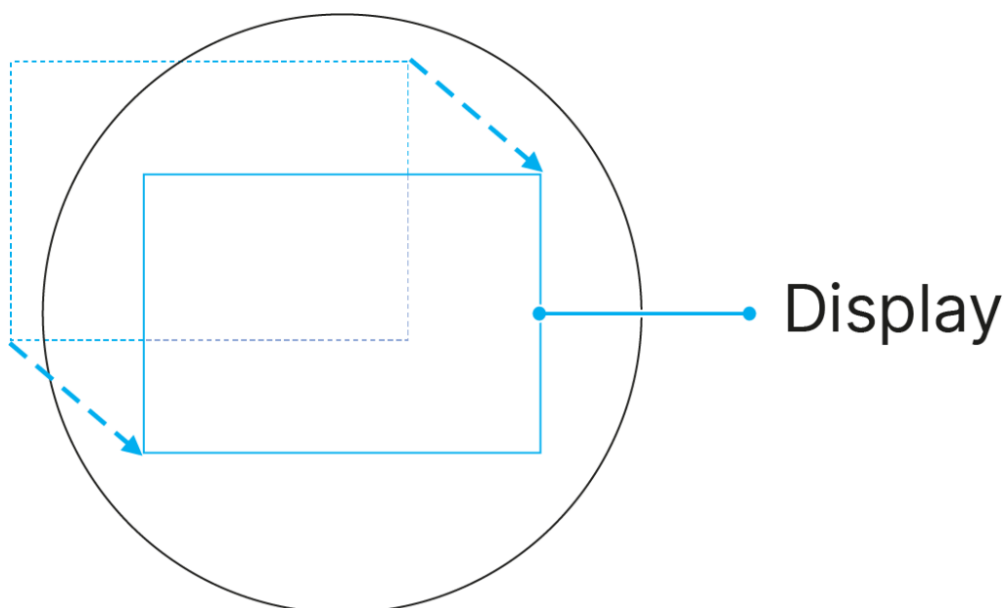
## Anbringen des Monokulars an der Halterung





Mit dem **Pulsar 3×20 B Monokular (23)** (separat erhältlich) können Sie den Aufsatz in eine handgeführte Wärmebildkamera mit 3-facher Vergrößerung verwandeln.

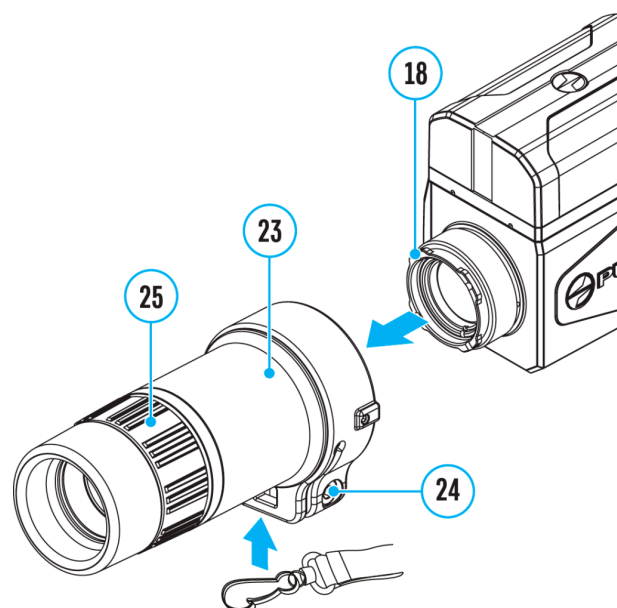
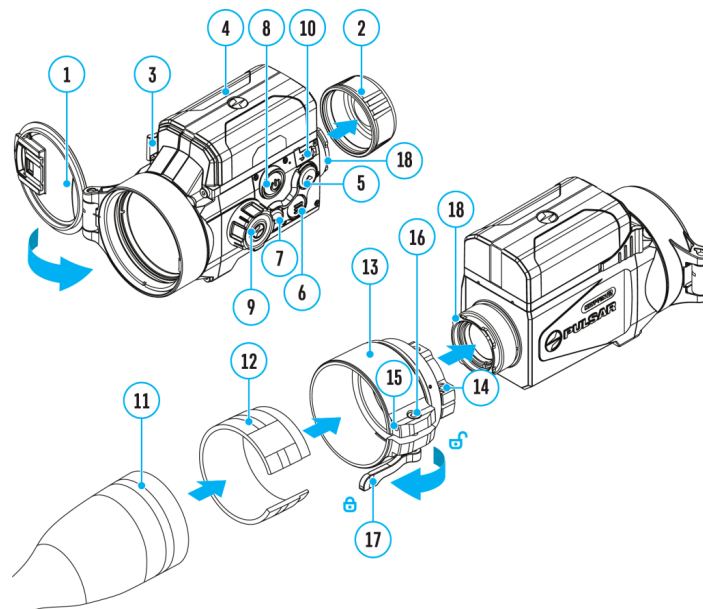
1. Richten Sie die Vorsprünge des Monokulars **(23)** an der Seite des Objektivs auf die Nuten der Halterung **(18)** des Aufsatzes aus. 2. Drehen Sie das Monokular im Uhrzeigersinn, um es an der Halterung zu befestigen. Die empfohlene Position der Klemmschraube **(24)** ist unten (siehe Abbildung).
3. Schalten Sie den Aufsatz ein, indem Sie die Taste **ON/OFF (8)** drücken.
4. Stellen Sie den Dioptrienring **(25)** des Okulars so ein, dass die Symbole auf dem Display scharf sind.
5. Lösen Sie die Schraube **(24)** mit einem Inbusschlüssel S3.
6. Richten Sie das Display auf die Mitte des Bildes im Monokular aus, indem Sie den Aufsatz in die gewünschten Richtungen kippen.



7. Arretieren Sie das Monokular in der gewählten Position, indem Sie die Schraube **(24)** bis zum Anschlag anziehen (Klemmkraft – 2,5 Nm/ 22.13 in-lbs).

8. Um das Monokular zu entfernen, drehen Sie es gegen den Uhrzeigersinn und lösen Sie es von der Halterung.

## Instalación del monocular al accesorio



El **monocular Pulsar 3×20 B (23)** (disponible por separado) le permite transformar el accesorio en una cámara termográfica portátil con 3 aumentos.

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**1.** Alinee los salientes del monocular **(23)** en el lado de su objetivo con las ranuras de la montura **(18)** del accesorio. **2.** Gire el monocular en el sentido de las agujas del reloj para fijarlo en el adaptador.

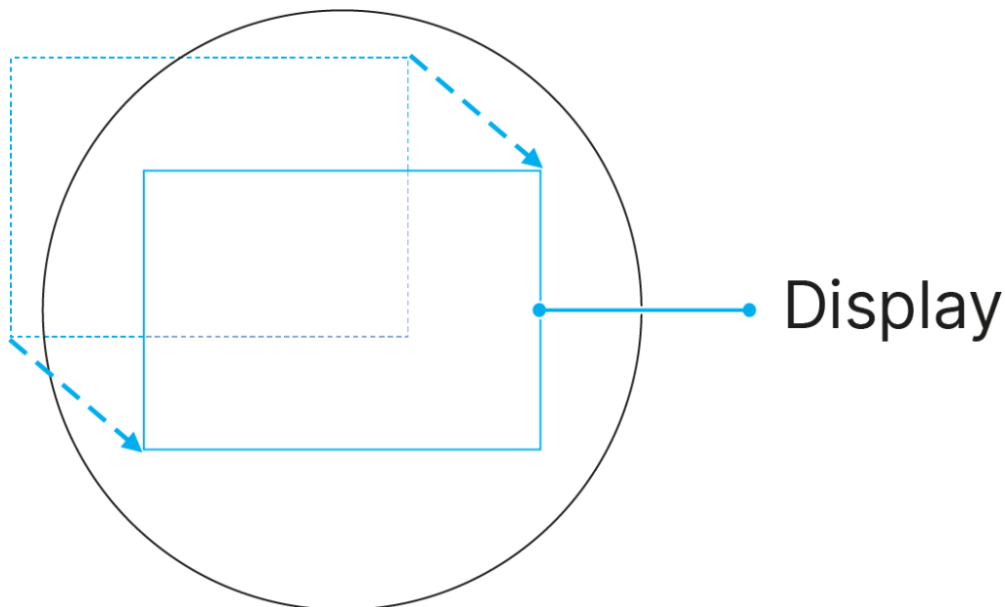
La posición recomendada del tornillo de sujeción **(24)** es en la parte inferior (véase la figura).

**3.** Encienda el accesorio pulsando el botón **ON/OFF (8)**.

**4.** Ajuste el anillo de dioptrías del ocular **(25)** hasta que los símbolos de la pantalla sean nítidos.

**5.** Afloje el tornillo **(24)** con una llave Allen S3.

**6.** Alinee la pantalla con el centro de la imagen en el monocular inclinando el accesorio en las direcciones requeridas.



**7.** Bloquee el monocular en la posición elegida apretando el tornillo **(24)** hasta el tope (fuerza de apriete – 2,5 Nm/ 22,13 in-lbs).

**8.** Para retirar el monocular, gírelo en el sentido contrario a las agujas del reloj y desconéctelo del accesorio.

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