

OMNI

Series

Quick Start Guide 1.0



User Manual

Benutzerhandbuch / Manuale utente / Manuel d'utilisation
Manual de usuario / Uživatelská příručka / Instrukcja obsługi
Bruksanvisning / Felhasználói kézikönyv / Manual do usuário

| Important Safety Information

Environmental influences

Never point the lens of the device directly at intense heat sources such as the sun or laser equipment. The objective lens and eyepiece can function as a burning glass and damage the interior components.

Risk of swallowing

Do not place this device in the hands of small children. Incorrect handling can cause small parts to come loose which may be swallowed.

Safety instructions for use

- Handle the device with care: rough handling may damage the battery.
- Do not expose the device to fire or high temperatures.
- Install the batteries correctly according to the instruction on the device. Reverse connection is prohibited.
- The battery capacity decreases when operated in a cold ambient temperature. This is not a fault and occurs for technical reasons.
- Always store the device in a dry, well-ventilated space. For prolonged storage, remove the batteries.
- The recommended temperature for using this product is -20°C to +50°C. Otherwise, it will affect the service life of the product.
- Do not store the device for long periods at temperatures below 20°C or above 50°C, or this will permanently reduce the capacity of the battery.
- If the device has been damaged or the battery is defective, send the device to our after-sales service for repair.

EU Compliance Statement

Wireless transmitter module frequency range:

WLAN: 2.412-2.472GHz (For EU)

Wireless transmitter module power < 20dBm (only for EU)



We, Inlumen Technologies Co., Ltd. hereby declares that the radio equipment types OMNI are in compliance with the Directives 2014/53/EU and 2011/65/EU.

Disposal of batteries



2023/1542 (Battery Regulation): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. For battery details, refer to the documentation of the specific product. The battery is marked with this symbol, which may include Cd (indicating cadmium), Pb (indicating lead), or Hg (indicating mercury). For proper recycling, please return the battery to your supplier or send it to a designated collection point. For more information, visit www.recyclethis.info.

User information on the disposal of electrical and electronic devices (private households)



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

For business customers within the European Union

Please contact your dealer or supplier regarding the disposal of electrical and electronic devices. He will provide you with further information.

Information on disposal in other countries outside of the European Union

This symbol is only applicable in the European Union. Please contact your local authority or dealer if you wish to dispose of this product and ask for a disposal option.

Intended use

The device is intended for displaying heat signatures during nature observation, remote hunting observations and for civil use. This device is not a toy for children.

Use the device only as described in this operating manual. The manufacturer and the dealer accept no liability for damages which arise due to non-intended or incorrect use.

Function test

Before use, please ensure that your device has no visible damage.
Test to see if the device displays a clear, undisturbed image.
Check that the settings for the thermal imaging monocular are correct.

Installing/Removing the battery

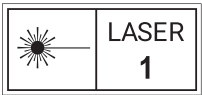
The OMNI series uses a dual battery system with an internal battery and two replaceable 18650 batteries. Please refer to the section of “Battery Install” for details on how to replace the 18650 battery.

Laser Warning

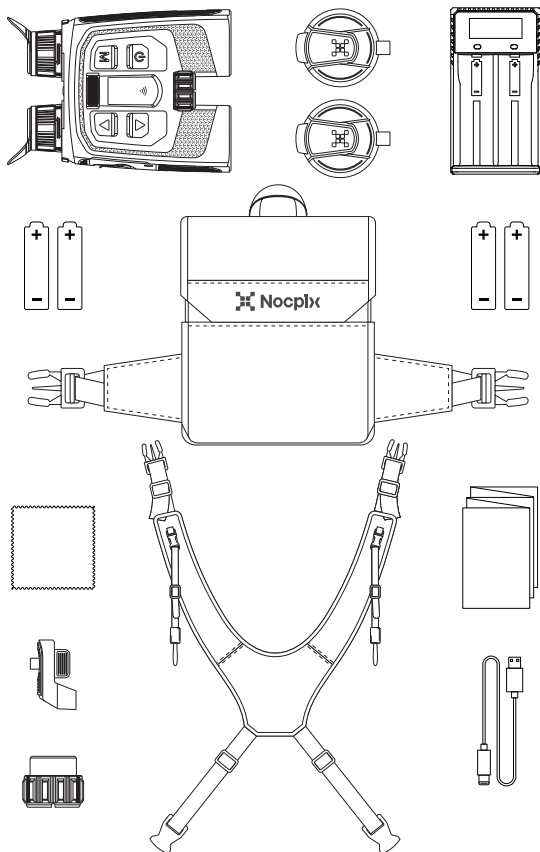
CLASS 1 CONSUMER LASER PRODUCT
EN 50689:2021



LASER APERTURE



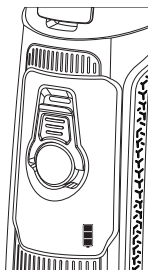
Accessories



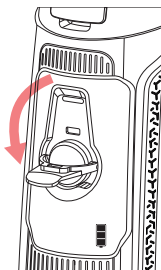
Note: The illustration shows all available accessories. Actual accessories may vary depending on the model. Not all items shown are included with every model.

Battery Install

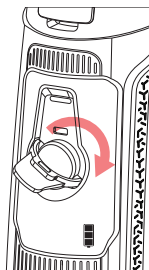
i No battery polarity required.



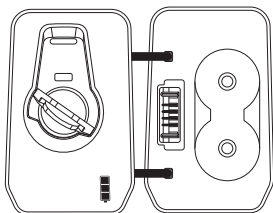
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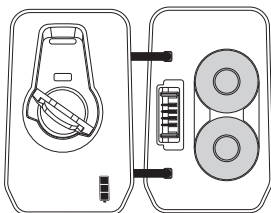
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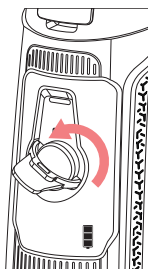
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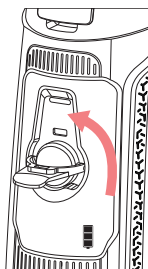
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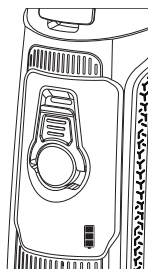
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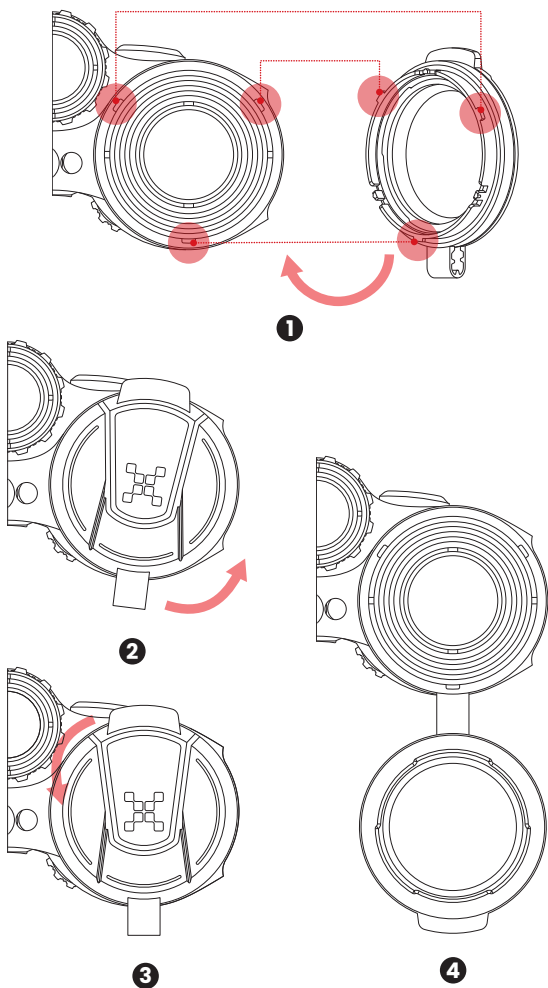


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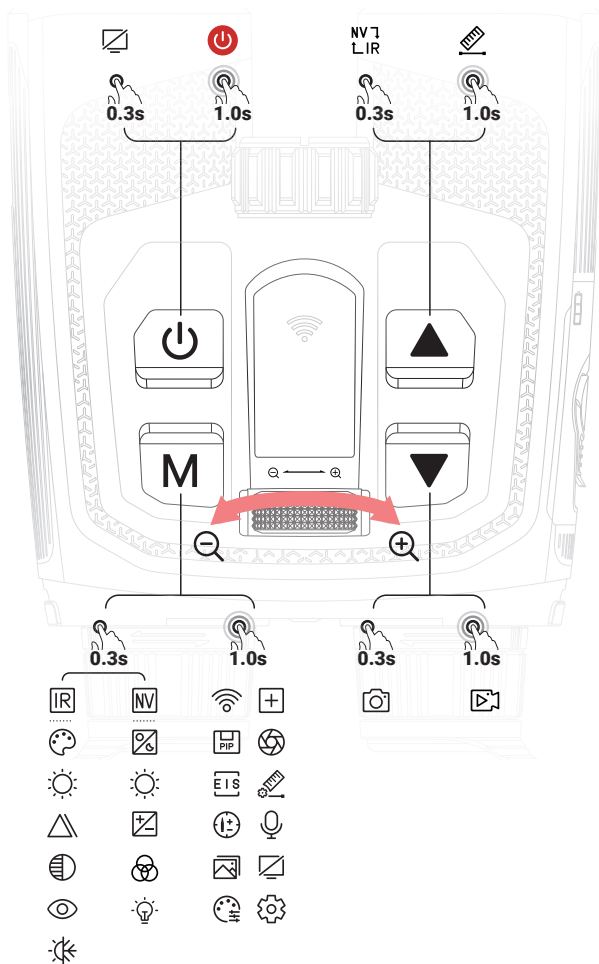


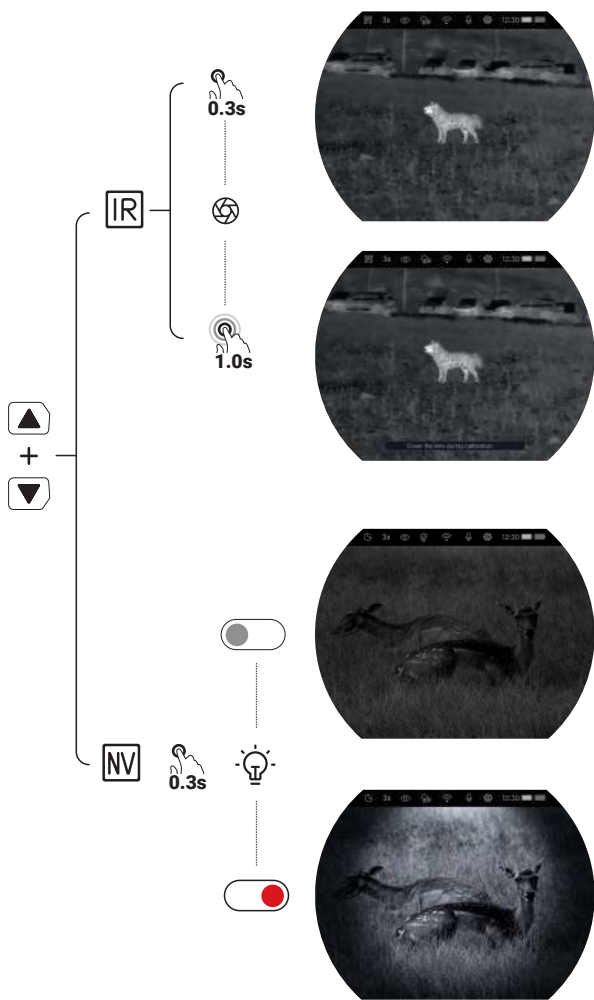
8

| Lenscap Install



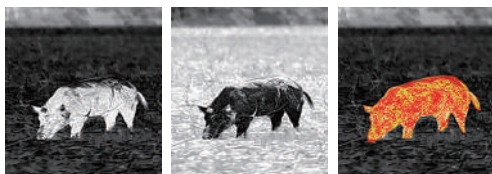
Button Descriptions





Shortcut Menu

IR Mode



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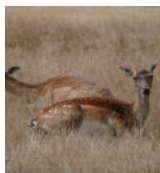
1 5 10



NV Mode



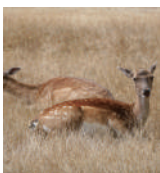
Dusk



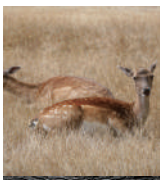
Day



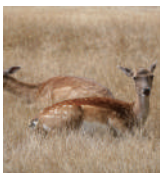
Moon



1 5 10



1 5 10



1 5 10



Low



Medium



High

PIP Function



Specifications

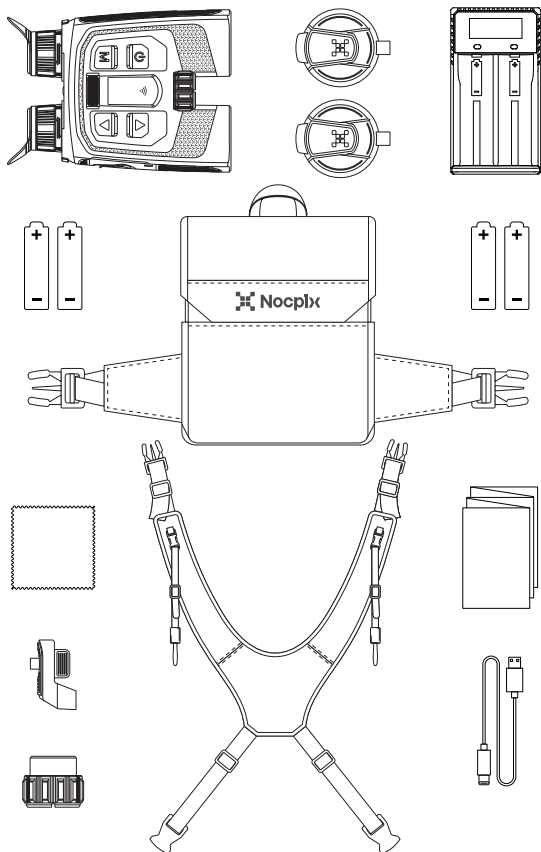
Model	OMNI H35R	OMNI L19R
Thermal Detector Specifications		
Resolution & Pixel Size	640 × 512/12μm	384 × 288/12μm
NETD, mK	≤ 15	≤ 15
Frame Rate, Hz	50	50
Digital Detector Specifications		
Resolution & Pixel Size	8192 × 6144 /1.2μm	
Thermal Optical Specifications		
Objective Lens, mm	35 / F0.9	19 / F0.9
Field of View (H×V), °	12.5 × 9.4	13.8 × 10.4
Linear Field of View (H×V), m@100m	21.9 × 16.5	24.3 × 18.2
Magnification, ×	2.0 ~ 16	1.5 ~ 12
Detection Range, m *	1800	1000
Digital Optical Specifications		
Objective Lens, mm	50 / F1.8	
Field of View (H×V), °	8.8 × 6.6	
Linear Field of View (H×V), m@100m	15.4 × 11.5	
Magnification, ×	3.0	
Detection Range, m *	1000	
Eyepiece Specifications		
Eye Relief, mm	25	
Exit Pupil Diameter, mm	12	
Diopter, D	-4 ~ +4	

* Target Size: 1.7m×0.5m, P(n)=99%

Model	OMNI H35R	OMNI L19R
Display Specifications		
Type	AMOLED	
Resolution	1600 × 1200	
Battery Power Supply		
Battery Type	Built-in battery + Replaceable 18650*2 batteries	
Max. Operation Time, h **	7.5	
External Power Supply, V	5 (Type C)	
Physical Specifications		
Wi-Fi / APP	Support	
Photo / Video Recorder	Support	
Gallery	Support	
Memory Capacity, GB	64	
IP Rating	IP67	
Operating Temperature, °C	-20 ~ +50	
Weight, g	< 900	
Dimension, mm	<198 × 144 × 75	

** t=22°C

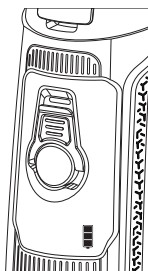
Zubehör



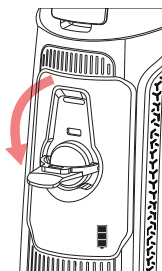
Hinweis: Die Abbildung zeigt alle verfügbaren Zubehörteile. Das tatsächliche Zubehör kann je nach Modell variieren. Nicht alle abgebildeten Teile sind bei jedem Modell enthalten.

Batterie einsetzen

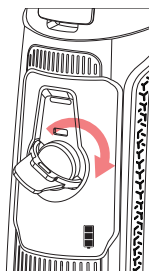
i Keine Batteriepolarität erforderlich.



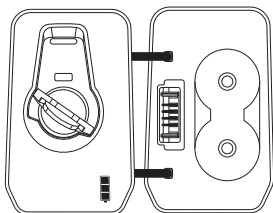
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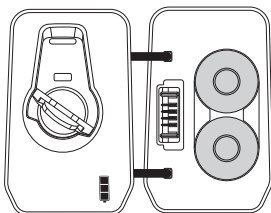
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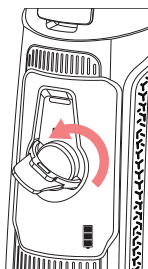
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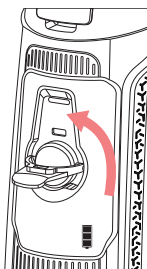
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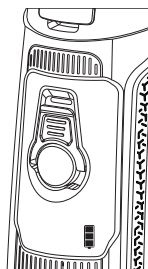
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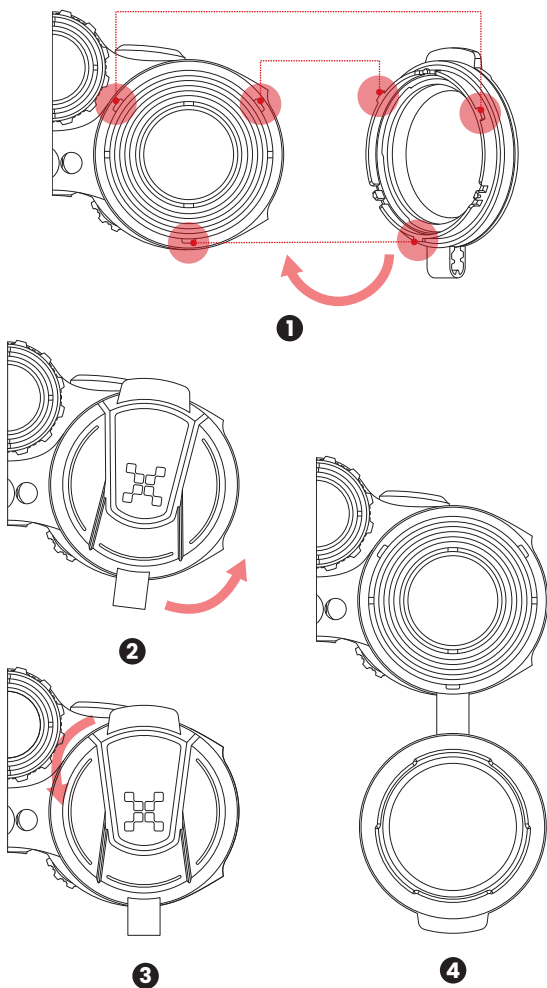


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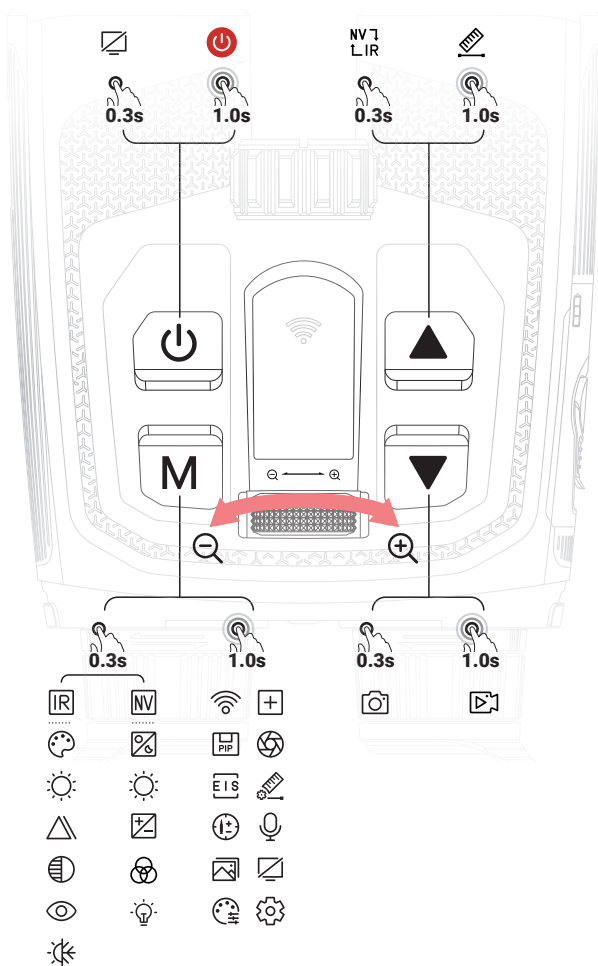


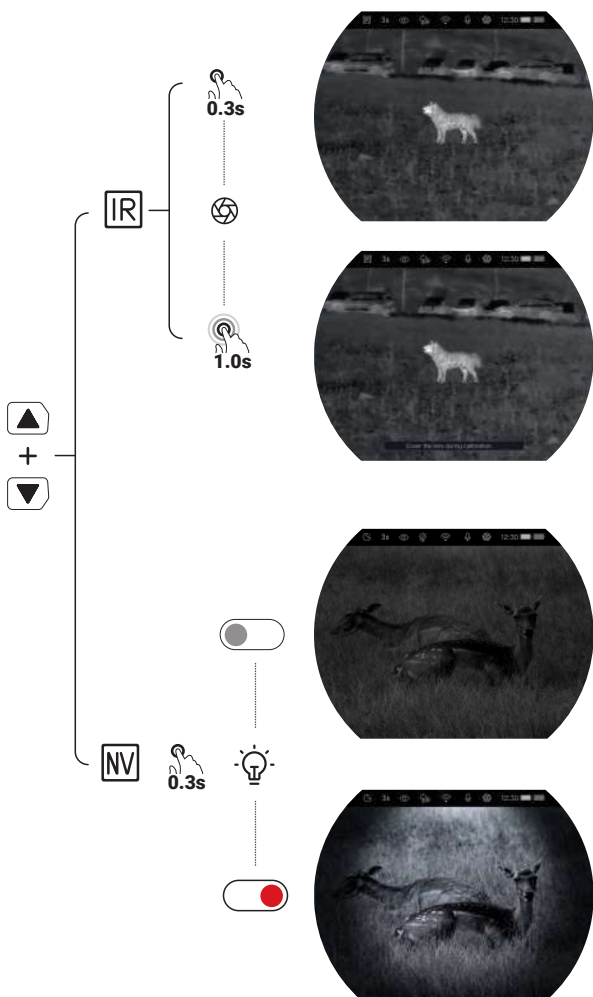
8

Objektivdeckel montieren



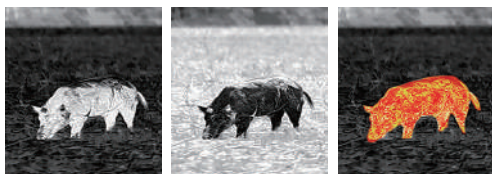
Tastenbeschreibungen





| Schnellzugriffsmenü

IR-Modus



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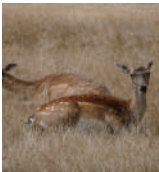
1 5 10



NV-Modus (Nachtsicht)



Dusk



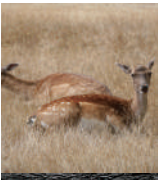
Day



Moon



1 5 10



1 5 10



1 5 10



Low



Medium



High

PIP-Funktion (Bild-in-Bild)



Technische Daten

Modell	OMNI H35R	OMNI L19R
Technische Daten des Wärmebilddetektors		
Auflösung & Pixelgröße	640 × 512/12µm	384 × 288/12µm
NETD, mK	≤ 15	≤ 15
Bildrate, Hz	50	50
Technische Daten des Digitaldetektors		
Auflösung & Pixelgröße	8192 × 6144 /1.2µm	
Thermisch-optische Daten		
Objektiv, mm	35 / F0.9	19 / F0.9
Sichtfeld (H×V), °	12.5 × 9.4	13.8 × 10.4
Lineares Sichtfeld (H×V), m@100m	21.9 × 16.5	24.3 × 18.2
Vergrößerung, ×	2.0 ~ 16	1.5 ~ 12
Erkennungsreichweite, m *	1800	1000
Digital-optische Daten		
Objektiv, mm	50 / F1.8	
Sichtfeld (H×V), °	8.8 × 6.6	
Lineares Sichtfeld (H×V), m@100m	15.4 × 11.5	
Vergrößerung, ×	3.0	
Erkennungsreichweite, m *	1000	
Okular-Daten		
Augenabstand, mm	25	
Austrittspupillendurchmesser, mm	12	
Dioptrie, D	-4 ~ +4	

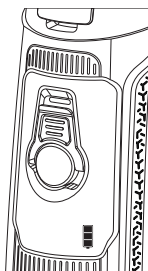
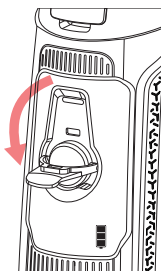
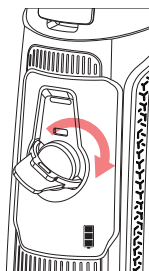
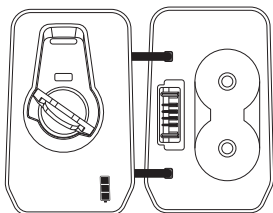
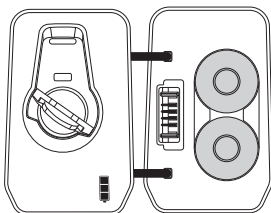
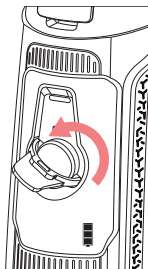
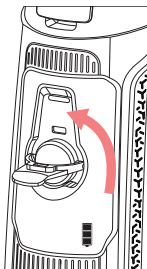
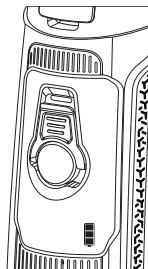
* Zielgröße: 1,7 m × 0,5 m, P(n)=99 %

Modell	OMNI H35R	OMNI L19R
Display-Spezifikationen		
Typ	AMOLED	
Auflösung	1600 × 1200	
Stromversorgung (Batterie)		
Batterietyp	Integrierter Akku + austauschbare 18650er Akkus (2×)	
Max. Betriebsdauer, h **	7.5	
Externe Stromversorgung, V	5 (Type C)	
Physische Daten		
Wi-Fi / APP	Support	
Foto-/Videoaufnahme	Support	
Galerie	Support	
Speicherkapazität, GB	64	
Schutzart (IP)	IP67	
Betriebstemperatur, °C	-20 ~ +50	
Gewicht, g	< 900	
Abmessungen, mm	<198 × 144 × 75	

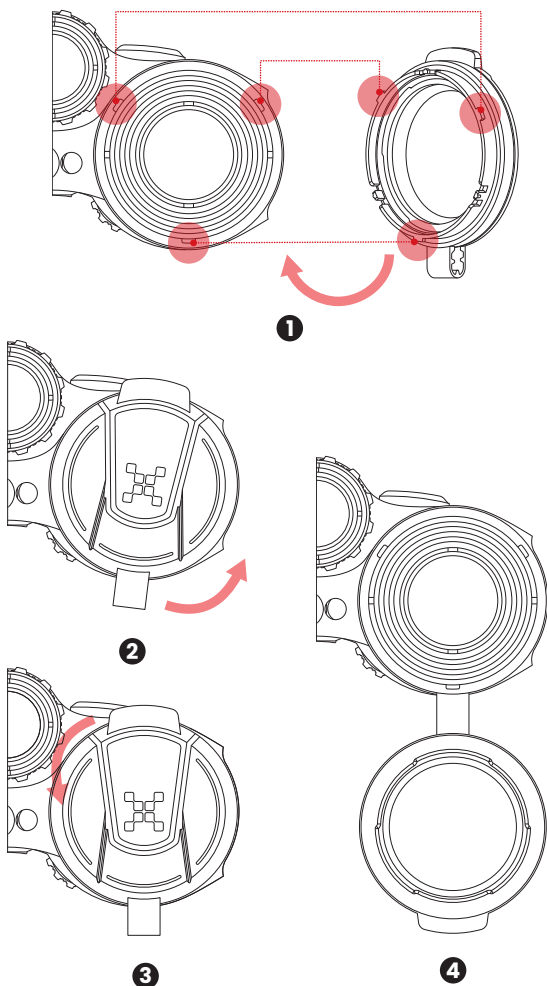
** t=22°C

Installation de la batterie

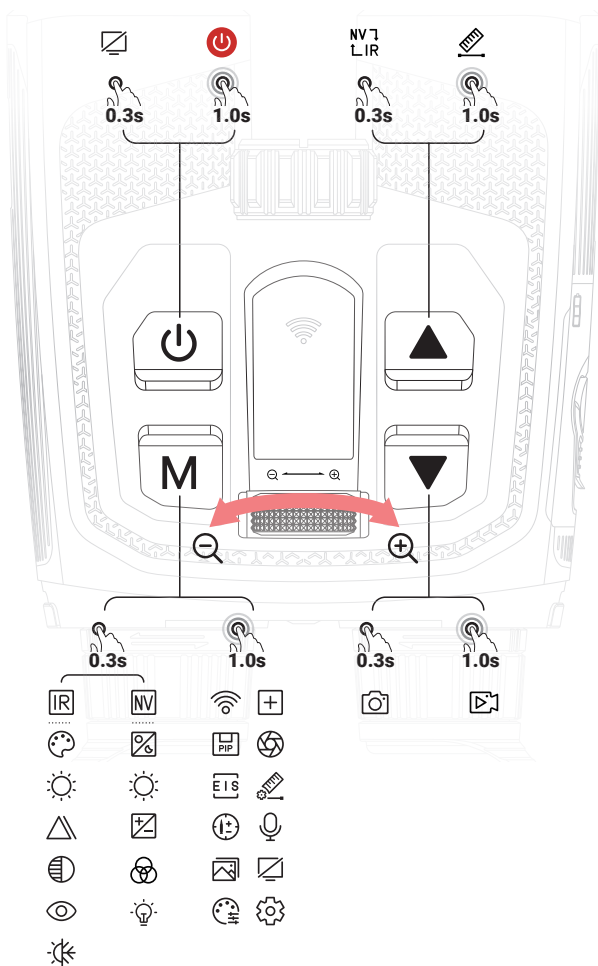
i Aucune polarité de batterie requise.

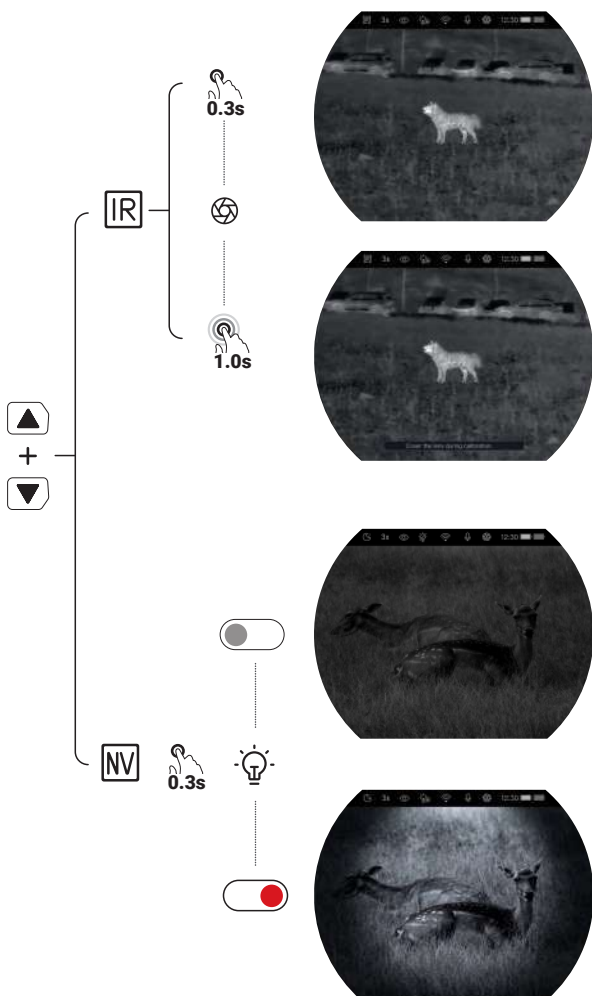
**1****2****3****4****5****6****7****8**

| Installation du capuchon d'objectif



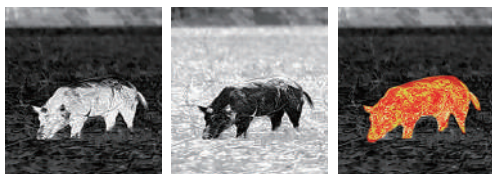
Description des boutons





Menu raccourci

Mode IR



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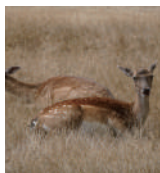
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Mode NV (vision nocturne)



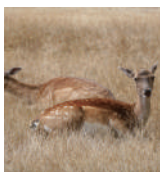
Dusk



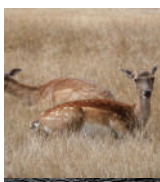
Day



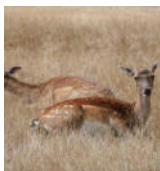
Moon



1 5 10



1 5 10



1 5 10



Low



Medium



High

| Fonction PIP (incrustation d'image)



| Spécifications

Modèle	OMNI H35R	OMNI L19R
Spécifications du détecteur thermique		
Résolution et taille de pixel	640 × 512/12µm	384 × 288/12µm
NETD, mK	≤ 15	≤ 15
Fréquence d'images, Hz	50	50
Spécifications du détecteur numérique		
Résolution et taille de pixel	8192 × 6144 /1.2µm	
Spécifications optiques thermiques		
Objectif, mm	35 / F0.9	19 / F0.9
Champ de vision (H×V), °	12.5 × 9.4	13.8 × 10.4
Champ de vision linéaire (H×V), m@100m	21.9 × 16.5	24.3 × 18.2
Grossissement, ×	2.0 ~ 16	1.5 ~ 12
Portée de détection, m *	1800	1000
Spécifications optiques numériques		
Objectif, mm	50 / F1.8	
Champ de vision (H×V), °	8.8 × 6.6	
Champ de vision linéaire (H×V), m@100m	15.4 × 11.5	
Grossissement, ×	3.0	
Portée de détection, m *	1000	
Spécifications de l'oculaire		
Relief oculaire, mm	25	
Diamètre de la pupille de sortie, mm	12	
Dioptrie, D	-4 ~ +4	

* Taille de la cible : 1,7 m × 0,5 m, P(n)=99 %

Modèle	OMNI H35R	OMNI L19R
Spécifications de l'écran		
Type	AMOLED	
Résolution	1600 × 1200	
Alimentation par batterie		
Type de batterie	Batterie intégrée + 2 batteries 18650 remplaçables	
Durée max. de fonctionnement, h **	7.5	
Alimentation externe, V	5 (Type C)	
Spécifications physiques		
Wi-Fi / APP	Support	
Enregistreur photo/vidéo	Support	
Galerie	Support	
Capacité mémoire, GB	64	
Indice de protection (IP)	IP67	
Température de fonctionnement, °C	-20 ~ +50	
Poids, g	< 900	
Dimensions, mm	<198 × 144 × 75	

** t=22°C