

User Manual
V3.0

RJX



L12 R

LEAP

THERMAL
IMAGING SCOPE

WARNING

PLEASE READ BEFORE USE



- Inspect batteries for damage before charging. • Fully charge batteries before use. • Avoid pointing the device at the sun or high heat sources.
- Damage to the core sensor caused by improper handling is not covered under warranty.



- Prüfen Sie die Batterien vor dem Laden auf Schäden. • Laden Sie die Batterien vor Gebrauch vollständig auf. • Vermeiden Sie es, das Gerät auf die Sonne oder Wärmequellen zu richten. • Schäden am Kernsensor aufgrund unsachgemäßer Handhabung sind nicht garantiert.



- Ispezionare le batterie per eventuali danni prima di caricarle. • Caricare completamente le batterie prima dell'uso. • Evitare di puntare il dispositivo verso il sole o fonti di calore intense. • I danni al sensore centrale causati da manomissioni non sono coperti dalla garanzia.



- Vérifiez les batteries pour détecter tout dommage avant de les charger.
- Chargez complètement les batteries avant utilisation. • Évitez de diriger l'appareil vers le soleil ou des sources de chaleur intenses. • Les dommages au capteur principal causés par une mauvaise manipulation ne sont pas couverts par la garantie.



- Inspeccione las baterías en busca de daños antes de cargarlas. • Cargue completamente las baterías antes de usarlas. • Evite apuntar el dispositivo hacia el sol o fuentes de calor intensas. • Los daños al sensor principal causados por manipulación incorrecta no están cubiertos por la garantía.



- Před nabíjením zkontrolujte baterie na poškození. • Před použitím baterie úplně nabijte. • Vyhněte se zaměřování zařízení na slunce nebo zdroje vysokého tepla. • Poškození hlavního senzoru způsobené nesprávným zacházením není pokryto zárukou.



- Przed ładowaniem sprawdź baterie pod kątem uszkodzeń. • W pełni naładuj baterie przed użyciem. • Unikaj celowania urządzeniem w słońce lub źródła silnego ciepła. • Uszkodzenia głównego czujnika spowodowane niewłaściwym użytkowaniem nie podlegają gwarancji.



- Kontrollera batterierna för skador innan du laddar dem. • Ladda batterierna helt innan användning. • Undvik att rikta enheten mot solen eller starka värmeällor. • Skador på huvudsensorn orsakade av felaktig hantering omfattas inte av garantin.



- Ellenőrizze a telepet sérülésre, mielőtt töltené. • Teljesen töltse fel a telepet használat előtt. • Ne irányítsa az eszközt a nap vagy nagy hőforrások felé. • A helytelen kezelésből eredő fő érzékelő károk nem tartoznak a garanciális fedezet alá.



- Verifique as baterias quanto a danos antes de carregá-las. • Carregue completamente as baterias antes do uso. • Evite apontar o dispositivo para o sol ou fontes de calor intensas. • Danos ao sensor principal causados por manuseio incorreto não estão cobertos pela garantia.

▼ **TABLE OF CONTENTS**

EN	Thermal Imaging Monocular	01
DE	Wärmebild-Monokular	09
IT	Monocolare per immagini termiche	17
FR	Monoculaire d'imagerie thermique	25
ES	Monocular de imagen térmica	33
CZ	Termovizní monokulár	41
PL	Monokular termowizyjny	49
SV	Termiskt monokulär	57
HU	Hőkép-alapú monokulár	65
PT	Monocular de imagem térmica	73

01 PRODUCT FEATURES

- 1280×1024 high-resolution thermal sensor.
- 2560×2560 high-resolution AMOLED display for clear visuals.
- Optical zoom (1x-3x) & digital zoom (1x-8x) for flexible viewing.
- High image quality.
- Replaceable 18650 battery for extended use.
- 64GB built-in storage for photo and video recording.
- Picture-in-Picture (PIP) mode for enhanced aiming.
- Wi-Fi module for app connectivity.
- Weather mode for better imaging in high humidity.
- 1200m LRF embedded in the lens.

EN

DE

IT

FR

ES

CZ

PL

SV

HU

PT

02 APP DESCRIPTION

For more features, please use RIX+ app.



As this product is an electronic device, it is recommended to read or download the latest manual on the RIX website or RIX+ app to obtain the most up-to-date product instructions.

03 PRODUCT DESCRIPTION

Model		LEAP L12 R
Sensor		
Resolution, pixels		1280×1024
Pixel pitch		12 μm
NETD		<15 mK
Frame rate		60Hz
Optics		
Objective lens		60 mm
Optical zoom		2.0 to 6.0×
Field of View (H×V)		14.6×11.7°
Digital zoom		1 to 8×
Eye relief		50 mm
Diopter Adjustment		-5 to +5 D
Detection range		3100m / 3390yd
Display		
Display		AMOLED 2560×2560
Video Recorder		
Video / photo resolution, pixel		1280×1280
Video / photo format		.mp4 / .jpg
Built-in memory		64 GB

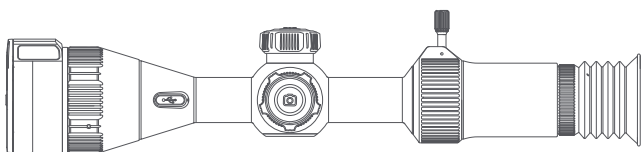
Model		LEAP L12 R
Environmental Characteristics		
Degree of protection, IP code		IP67
Operating temperature range		-20 to+50 °C / -4 to+122 °F
Connections and Compatibilities		
Battery type		18650
Wi-Fi		Support
Operating time on battery pack (at t=25°C / 72°F)		8h
External power supply		5V (Type-C USB)
Max. recoil power on rifled weapon (Eo)		1000 g / 6000 J
Compatible mounts		30mm rings
Weight & Size		
Dimensions		395×97×85mm / 15.5×3.8×3.3 in
Weight		1280 g / 2.8 lb
Range Performance		
Detection range		1200m / 1312 yd

Tips

The results of operating time is tested at 25°C(72°F) using RIX batteries.

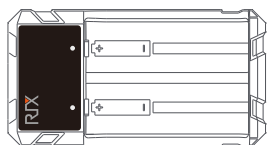
Battery life may vary based on temperature and usage conditions.

04 IN THE BOX

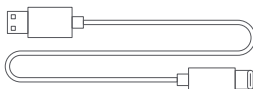


LEAP Thermal Imaging Scope

Eyeshade



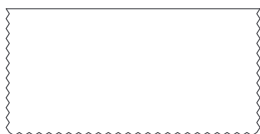
Battery Charger



USB Type-C Cable



18650 Battery

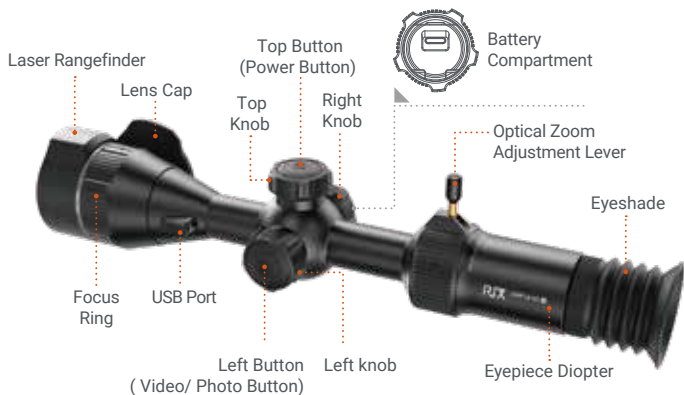


Lens Cloth



Thermal Target

05 PRODUCT OVERVIEW



Lens Cap
Focus Ring

USB Port

Top Button (Power)

Optical Zoom Lever

Battery Compartment

Diopter Adjustment

Protects the lens when not in use

Adjusts image sharpness

For data transfer

Turns the device on/off

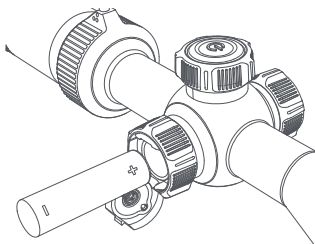
Adjusts magnification

Houses the 18650 battery

Adjusts for personal eyesight

06 POWER SUPPLY

- Use a replaceable 18650 battery (70mm length).
- Can be powered via USB-C for extended use.



07 BUTTONS AND KNOBS OPERATION

Power on/off



Press&Hold
To power on the device

Standby/Exit Standby



Press
Wake up the device

Press&Hold
Release the button before shutdown

Tips Release the button before shutdown to enter standby mode.

Home Screen



Press
Shutter correction

Press&Hold
Shut down / Standby



Rotate
Switch image patterns



Press
Start / Stop LRF

Press&Hold
Start / Stop video recording



Rotate
Open the main menu



Rotate
Switch digital zoom
Switch PIP zoom

Bad Pixel Correction Screen



Press
Choose whether to save and exit



Rotate
Move reticle left/right



Press
Confirm/cancel bad pixel

Press&Hold
Return to the home screen with saving changes



Rotate
Move reticle up/down

Zeroing Screen



Press
Choose whether to
save and exit



Rotate
Move reticle left/right



Press
Freeze/resume

Press&Hold
Return to the home
screen with saving
changes



Rotate
Move reticle up/down

► Zeroing

- Enter Zeroing Mode via the main menu.
- Freeze the screen using the Left Button.
- Adjust the reticle using the Top and Right knobs.
- Hold the Left Button to save settings or press the Top Button to exit without saving.

Main Menu Screen



Press
Return to the home
screen with saving
changes



Rotate
Switch up side
function parameters



Press
Enter the current
function

Press&Hold
Return to the home
screen with saving
changes

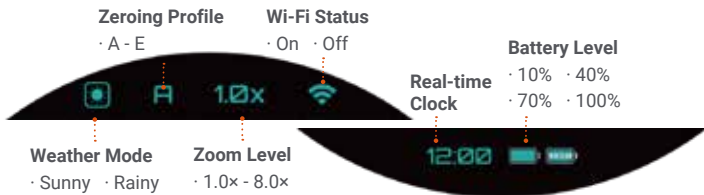


Rotate
Switch menu options



Rotate
Switch right side
function parameters

08 STATUS BAR



09 MAIN MENU

On the home screen, rotate the left knob to open the main menu and switch menu options.

Icon	Top Knob	Right Knob
	Reticle Type Settings	Reticle Color Settings
	Screen brightness Settings	PIP
	Image contrast	Weather mode
	WiFi	/
	Zeroing Profiles	RAV
	Zeroing	/
	Pixel Defect Correction	/
	Angle unit	Language
	System information	

LEGAL AND REGULATORY 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.

Wireless Transmitter Module Frequency Range

WLAN: 2.412-2.472GHz

Wireless transmitter module power < 20dBm



We, Visir Inc. hereby declares that the radio equipment types LEAP are in compliance with the Directives 2014/53/EU and 2011/65/EU.



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

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. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Installing/Removing the battery

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

FCC Statement

FCC ID: 2A7ZZ-L12R-00

Labeling Requirements

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Information To The User

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

EMC Class A

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



- a) Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- b) Even used batteries may cause severe injury or death.
- c) Call a local poison control center for treatment information.
- d) Battery type: ML1220L
- e) Nominal voltage: 3V
- f) Non-rechargeable batteries are not to be recharged.
- g) Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- h) The product contains a non-replaceable battery.

