



Quick Start Guide

AXION LRF XQ38

Thermal Imaging Scope

ENGLISH / FRANÇAIS / DEUTSCH / ESPAÑOL / ITALIANO / РУССКИЙ

EN

Attention! A license is required for AXION Thermal Imager when exporting outside your country.
Electromagnetic compatibility.

This product complies with the requirements of European standard EN 55032: 2015, Class A.

Caution! Operating this product in a residential area may cause radio interference.

For detailed information on the device, download the complete manual:

<https://www.pulsar-nv.com/glo/products/33/thermal-imaging-scopes/axion-xq-lrf/>

Caution! Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

FR

Attention! Les imageurs thermiques AXION nécessitent l'obtention d'une licence s'ils sont exportés hors de votre pays.

Compatibilité électromagnétique.

Ce produit est conforme aux exigences de la norme européenne EN 55032: 2015, classe A.

Attention! L'utilisation de ce produit dans une zone résidentielle peut provoquer des interférences radio.

Pour des informations détaillées sur l'appareil, téléchargez le manuel d'utilisation complet:

<https://www.pulsar-nv.com/glo/products/33/thermal-imaging-scopes/axion-xq-lrf/>

Attention! L'emploi de commandes, réglages ou performances de procédure autres que ceux spécifiés dans ce manuel peut entraîner une exposition à des rayonnements dangereux.

DE

Achtung! Wärmebildgeräte AXION erfordern eine Lizenz, wenn sie über die Grenzen Ihres Landes exportiert werden.

Elektromagnetische Verträglichkeit.

Dieses Produkt entspricht den Anforderungen der Europäischen Norm EN 55032:2015, Klasse A.

Achtung! Der Betrieb dieses Produktes in Wohngebieten kann Funkstörungen verursachen.

Laden Sie die Vollversion der Bedienungsanleitung für ausführliche Informationen zum Gerät herunter:

<https://www.pulsar-nv.com/glo/products/33/thermal-imaging-scopes/axion-xq-lrf/>

Vorsicht! Wenn andere als die hier angegebenen Bedienungs- oder Justiereinrichtungen benutzt oder andere Verfahrensweisen ausgeführt werden, kann dies zu gefährlicher Strahlungsexposition führen.

ES

¡Atención! Los dispositivos de imagen térmica AXION requieren una licencia si se exportan fuera de su país de usted.

Compatibilidad electromagnética.

Este producto cumple con los requisitos de la norma europea EN 55032:2015, Clase A.

¡Advertencia! El uso de este producto en la zona residencial puede provocar la interferencia de radiofrecuencia.

Para obtener más información sobre el dispositivo, descargue el manual completo de usuario:

<https://www.pulsar-nv.com/glo/products/33/thermal-imaging-scopes/axion-xq-lrf/>

Atención! La utilización de controles, ajustes o parámetros de procedimiento distintos de los aquí indicados puede provocar una exposición a radiaciones peligrosas.

IT

Attenzione! I visori termici AXION necessitano di un certificato nel caso in cui vengano esportati.

Compatibilità elettromagnetica.

Questo prodotto è conforme ai requisiti della norma europea EN 55032:2015, Classe A.

Attenzione! L'uso di questo prodotto in un'area residenziale può causare dei disturbi radio.

Per ulteriori informazioni sul dispositivo, scaricare il manuale d'uso completo:

<https://www.pulsar-nv.com/glo/products/33/thermal-imaging-scopes/axion-xq-lrf/>

Attenzione! In caso di utilizzo di dispositivi di comando o di regolazione di natura diversa da quelli riportati in questa sede oppure qualora si seguano procedure diverse vi è il pericolo di provocare un'esposizione alle radiazioni particolarmente pericolosa.

RU

Внимание! Тепловизоры AXION требуют лицензии, если они экспортируются за пределы Вашей страны.
Электромагнитная совместимость.

Данный продукт соответствует требованиям европейского стандарта EN 55032:2015, Класс А.

Внимание! Эксплуатация данного продукта в жилой зоне может создавать радиопомехи.

Для получения подробной информации о приборе скачайте полное руководство по эксплуатации:

<https://www.pulsar-nv.com/glo/products/33/thermal-imaging-scopes/axion-xq-lrf/>

Внимание! Использование других не упомянутых здесь элементов управления и настройки или других методов эксплуатации может подвергнуть Вас опасности для здоровья излучению.

CLASS 1
LASER PRODUCT
 BS / EN 60825-1: 2014



LRF Laser
Aperture

AXION LRF

Quick Start Guide

Thermal Imaging Scope AXION LRF	1-6	ENGLISH
Imageur thermique AXION LRF	7-12	FRANÇAIS
Wärmebildgerät AXION LRF	13-18	DEUTSCH
Monocular térmico AXION LRF	19-24	ESPAÑOL
Termovisore AXION LRF	25-30	ITALIANO
Тепловизор AXION LRF	21-36	РУССКИЙ



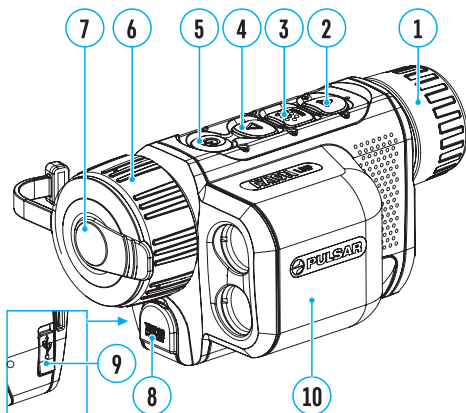
⚡ Starting Operation

POWERING ON AND IMAGE SETTING

- Open the lens cover (7). Secure the cover with to the strap using the built-in magnet in the cover.
- Press the ON/OFF button (5) briefly to turn on the device.
- Adjust the eyepiece diopter ring (1) until the symbols in the display are sharp.
- Rotate the lens focus knob (6) to focus on the object being observed.
- Enter the main menu with a long press of the MENU button (3) and select the desired calibration mode: manual (M), semi-automatic (SA) or automatic (A).
- Calibrate the image by briefly pressing the ON/OFF button (5) (if the SA or M calibration mode has been selected). Close the lens cover when calibrating manually.
- Select the desired observation mode ("Forest", "Identification", "Rocks", "User") by briefly pressing the UP button (4). User mode allows you to change and save user brightness and contrast settings in the quick menu.
- Enter the main menu with a long press of the MENU button (3) and select the appropriate colour palette (for more details see the Main menu functions section in the full version of the manual).
- Activate the quick menu by briefly pressing the MENU button (3) to adjust the brightness, contrast and smooth digital zoom of the display (see the Quick Menu Functions section of the full version manual for details).
- Upon completion of use turn the device off by a long press of the ON button (5).

⚡ Components and controls

1. Eyepiece diopter ring
2. DOWN/LRF button ▽
3. MENU button 
4. UP/ZOOM button 
5. Power ON/Calibration button 
6. Lens focus knob
7. Lens cover
8. Adaptor mount for tripod
9. USB Type-C connector
10. Laser rangefinder



LED indicator displays the current status of the device:

LED Indicator Operating Mode

●	Device is turned on
●	The device is turned on/battery charge < 10%

⚡ Buttons Operation

	Short press	Long press
ON/OFF button	Turn on device	Turn off device
⏻ (5)	Turn on display	Turn off display
	Device calibration	
UP/ZOOM button	Switch observation modes	Zoom
△ (4)	Menu navigation up / right	
MENU button	Enter quick menu	Exit quick menu
⋮ (3)	Switch between quick menu items	
	Confirm selection	Enter / exit main menu
DOWN/LRF button	Activate the rangefinder	Quick change of color palettes
▽ (2)	Distance measurement	
	Deactivate the rangefinder scan mode	Activate the rangefinder scan mode
	Menu navigation down / left	Deactivate the rangefinder

⚡ Battery Pack Charging

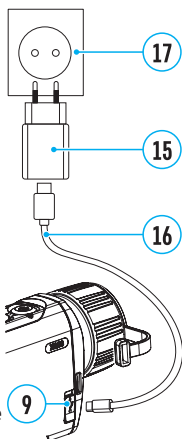
The AXION LRF XQ thermal imagers come with APS 5 rechargeable lithium-ion battery. APS 5 batteries support USB Power Delivery fast charging technology when using a standard charging set (Charger, USB Type-C cable, Power Adapter). Before first use, the battery should be charged.

Option 1

- Install the battery (11) in the battery compartment (19) of the device.
- Connect the USB cable (16) to the USB Type-C connector (9) of the device.
- Connect the other end of the USB cable (16) to the Power Adapter (15).
- Plug the Power Adapter (15) into a 100-240 V socket (17).

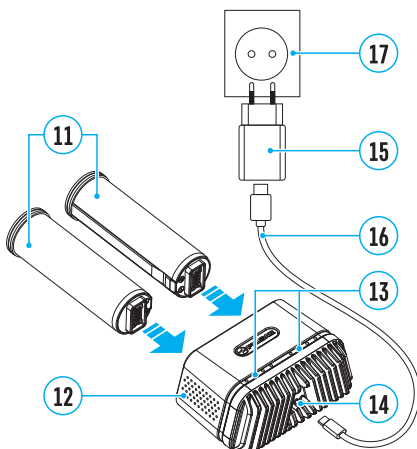
Option 2

- Insert the rechargeable battery (11) along the guide into the APS 5 charger slot (12) as far as it will go (see Fig.). The APS charger is supplied with your device or



sold separately.

- Connect the plug of the USB Type-C cable (16) to the USB Type-C connector of the Power Adapter (15).
- Plug the Power Adapter (15) into a 100-240 V socket (17).
- Connect the other end of the USB Type-C cable (16) to the USB Type-C connector (14) of the charger.
- LED indication (13) will display battery charge level (see Table).
- Two batteries can be charged at the same time: the second slot is designed for it.



LED indication (13) in the battery charging mode:

Battery Level

★	Battery level is from 0% to 25%
● ★	Battery level is from 26% to 50%
● ● ★	Battery level is from 51% to 80%
● ● ● ★	Battery level is from 81% to 99%
● ● ● ●	The battery is fully charged. It can be disconnected from the charger.
●	Defective battery. It is forbidden to use the battery.

LED indication (13) in the standby mode*:

Battery Level

★	Battery level is from 0% to 25%
●	Battery level is from 26% to 50%
● ●	Battery level is from 51% to 80%
● ● ●	Battery level is from 81% to 99%
● ● ● ●	The battery is fully charged. It can be disconnected from the charger.
●	Defective battery. It is forbidden to use the battery.

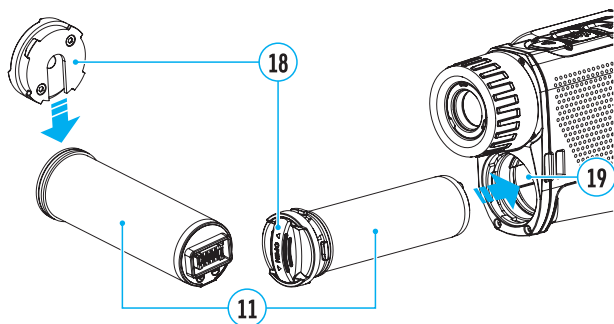
* Standby mode – operating mode when the batteries in the charger, but the power adapter is not connected. In this mode, the indication is on for 10 seconds.

Attention! When using a power adapter that does not support USB Power Delivery fast charging technology, the flicker frequency of LED indicators decreases by 3 times and charge time increases.

Attention! The charger heats up during fast charging. Excess heat is removed through the radiator and does not affect the device operation.

Installing Battery Pack

- Put the lock-cover (18) on the rechargeable battery (11).
- Insert the rechargeable battery (11) along the guide into the battery compartment (19).
- Lock the battery (11) by turning the lock-cover (18) clockwise until it stops.
- Turn the lock-cover (11) counterclockwise to remove the batteries (18).

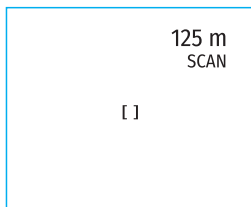


Using a built-in laser rangefinder

The Axion LRF XQ thermal imager is equipped with an integrated laser rangefinder.

Single Measurement Mode

- Press the ON/OFF (5) button briefly to power the device on.
- Activate the rangefinder by pressing the DOWN (2) button briefly. A red mark appears on the display.
- Place the rangefinder's reticle on the target. Press the DOWN (2) button briefly to measure the distance to the object once.
- The measurement results are displayed in the upper right corner.
- The rangefinder shuts down after 3 seconds of inactivity.



Scan Mode

- Press the ON/OFF (5) button briefly to power the device on.
- Activate the rangefinder by pressing the DOWN (2) button briefly. A red mark appears on the display.
- Activate the scan mode by long pressing the DOWN (2) button to continuously measure the distance to objects.
- The measurement results are displayed in the upper right corner.
- Deactivate the rangefinder by long pressing the DOWN (2) button.
- Additional rangefinder settings are available in the LRF section of the main menu.

Specifications

MODEL	AXION LRF XQ38
SKU	77428
Microbolometer	
Type	uncooled
Resolution, Pixels	384x288
Pixel Pitch, μm	17
Frame rate, Hz	50
Optical characteristics	
Optical magnification, x	3.5
Smooth digital zoom	3.5-14
Digital Zoom, x	2/4
Lens focus, mm	38
Focal ratio, D/f ¹	1.2
Minimum Focusing Distance, m	3
Eye relief diameter, mm	3.5
Angular field of view (HxV), degree	9.8x7.4
Linear field of view, m per 100 m	17.2
Eyeiece focusing range, Diopter	+4/-5
Detection distance for deer-sized objects, (m)	1350
Display	
Type	AMOLED
Resolution, Pixels	1024x768
Operational characteristics	
Power Supply, V	3-4.2 V
Battery Type	APS 5 Li-ion Battery Pack
Capacity	4900 mAh
Nominal output voltage	DC 3.7 V
External power supply	5-15 V (USB Type-C)
Battery run time at t=22 °C, h	5
Degree of protection, IP code (IEC60529)	IPX7
Operating temperature range, °C	-25 ... +40
Dimensions, mm	167x74x73
Weight (without battery), kg	0.38
Characteristics of the rangefinder	
Wavelength, nm	905
Measurement range, m*	1000
Measurement accuracy, m	1

* Depends on the characteristics of the object under observation and environmental conditions.

Improvements may be made to the design of this product to enhance its user features.

The current version of the User's Manual can be found on the website www.pulsar-vision.com

Package Contents

- Axion LRF XQ Thermal Imager
- APS 5 rechargeable battery
- 2 lock-cover of APS 5 battery
- Battery Pack Charger
- Power Adapter
- USB Type-C Cable
- Carrying case
- Hand strap
- Quick User Manual
- Lens-cleaning cloth
- Warranty sheet
- Adaptor for mounting the device on a tripod