



Quick Start Guide

ACCOLADE 2
LRF XP50 PRO

Thermal
Imaging
Binoculars

EN **Attention!** Accolade thermal imaging binoculars require a license if exported outside your country.
Electromagnetic compliance. This product complies with EU Standard EN 55032:2015, Class A.
Warning! Operation of this equipment in a residential environment could cause radio interference.
Detailed product description and complete user manual are available for download on our official web-page:
www.pulsar-nv.com/glo/products/33/thermal-imaging-binoculars/

FR **Attention!** Les jumelles d'imagerie thermique Accolade nécessitent une licence s'ils sont exportés hors de votre pays.
Compatibilité électromagnétique. Ce produit est conforme à la norme européenne EN 55032:2015, Classe A.
Attention! L'utilisation de ce matériel dans un environnement résidentiel peut produire des interférences radio.
La description détaillée du produit et un manuel d'instructions complet sont disponibles sur notre site:
www.pulsar-nv.com/glo/fr/produits/439/jumelles-dimagerie-thermique/

DE **Achtung!** Wärmebildferngläser Accolade benötigen eine Lizenz, wenn sie außerhalb Ihres Landes exportiert werden.
Elektromagnetische Verträglichkeit. Das Produkt entspricht der Europäischen Norm EN 55032:2015, Klasse A.
Warnung! Der Betrieb dieses Gerätes im Wohngebiet kann Funkstörungen verursachen. Die ausführliche Beschreibung des Produktes und volle Betriebsanleitung sind auf unserer Webseite unter dem Link zugänglich:
www.pulsar-nv.com/glo/de/produkte/57/waermebildfernglaser/

ES **¡Atención!** Los binoculares de visión térmica Accolade requieren una licencia si se exportan fuera de su país.
Compatibilidad electromagnética. Este producto cumple con la reglamentación de la UE EN 55032:2015, Clase A.
Advertencia: el funcionamiento de este equipo en áreas residenciales podría causar radio interferencias.
La descripción detallada del producto y el manual de usuario completo están disponibles en nuestro sitio web:
www.pulsar-nv.com/glo/es/productos/64/binoculares-termicos/

IT **Attenzione!** I binocoli termici Accolade richiedono una licenza se esportati al di fuori del proprio paese.
Compatibilità elettromagnetica. Questo prodotto è conforme alla norma europea EN 55032:2015, Classe A.
Avvertenza: l'uso di questa apparecchiatura in un'area residenziale può causare perturbazioni radioelettriche.
La descrizione dettagliata del prodotto e un manuale di istruzioni completo sono disponibili sul nostro sito:
www.pulsar-nv.com/ita/prodotti/571/binocolo-termico/

RU **Внимание!** Тепловизионные бинокли Accolade 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. Подробное описание продукта и полное руководство по эксплуатации доступны на нашем сайте по ссылке:
www.pulsar-nv.com/glo/ru/produkty/44/teplovizionnye-binokli/

ACCOLADE 2 LRF

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Package Contents

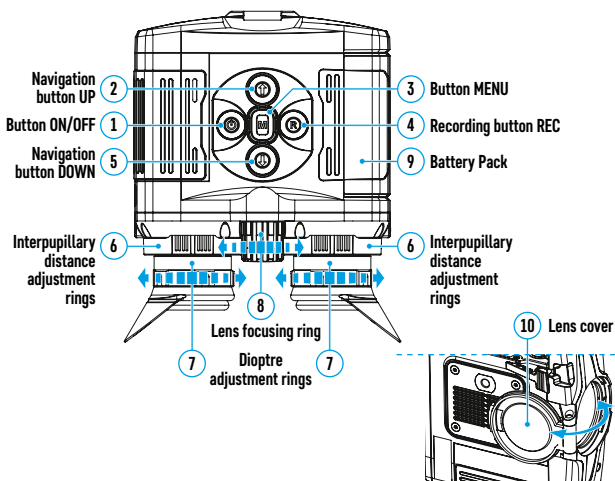
- Accolade 2 LRF Thermal Imaging Binocular
- IPS7 Battery Pack
- Battery Pack charger with mains adapter
- USB cable
- Quick User Manual
- Warranty sheet
- Carrying case
- Neck strap
- Lens-cleaning cloth

Starting Operation






Powering on and image setting

- Open the lens cover **(10)**.
- Press the **ON/OFF** button **(1)** briefly to power the device on.
- Set the pupillary distance by squeezing the eyepieces together or pulling farther apart while holding the adjustment rings **(6)**.
- Get a sharp image of the symbols on the display by rotating the optical adjustment ring of the eyepieces **(7)**.
- Rotate the lens focus ring **(8)** to focus on target.
- Select the calibration mode: manual **(M)**, semi-automatic **(SA)** or automatic **(A)** in the main menu (enter the menu by long pressing the **MENU** button **(3)**).
- Calibrate the image with a short press of the **ON/OFF** button **(1)** (when calibration mode **(SA)** or **(M)** has been selected). Close the lens cap before manual calibration.
- Select the desired observation mode (**Forest, Rocks, Identification** or **User**) by a long press of the **DOWN (5)** button or in the main menu. **User** mode allows you to configure and save custom brightness and contrast settings, as well as one of three modes as a base.
- Adjust the brightness, display contrast, smooth digital zoom in the quick menu (activate by briefly pressing the **MENU** button **(3)**).
- Turn off the device by long pressing the **ON/OFF** button **(1)** after use.

⚡ Components and Controls



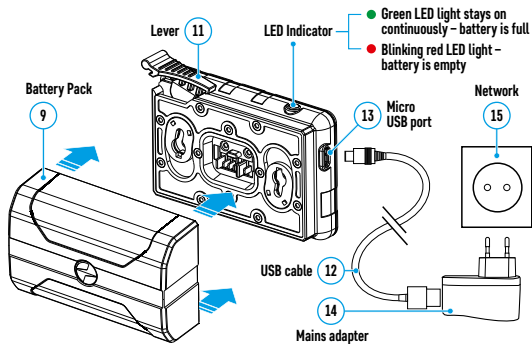
⚡ Buttons Operation

	Short press	Long press
Button ON/OFF (1) 	Turning on device / Image calibration	Turning off device / display
Record button REC (4) 	Video recording on / pause / continue recording video / Take a photo	Photo mode on / video recording off / video mode on
Navigation button UP (2) 	Turning on rangefinder / measuring distance	Choose color palettes / SCAN mode On / Off
MENU button (3) 	Access the quick menu / Confirm selection	Log in / out main menu
Navigation button DOWN (5) 	Change value of discrete zoom	Toggle between observation modes

⚡ Battery Pack Charging

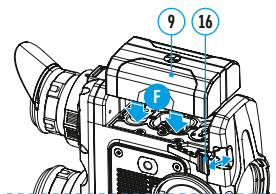
- Lift up the lever (11) of the charger (9).
- Install the Battery Pack (9) into the charger as far as it can go.
- Lower the lever (11).

- Connect the micro USB plug of the USB cable (12) to the micro USB port (13) of the charger.
- Connect the other end of the microUSB cable to the mains adapter (14).
- Plug the mains adapter (14) into a 100 - 240 V socket (15).
- Disconnect the charger from the mains after the battery is fully charged (green LED light stays on continuously).



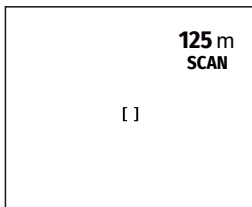
⚡ Installing Battery Pack into the Device

- Lift up the lever (16).
- Remove the battery (9) from the charging pad.
- Insert the battery (9) as far as it will go into the slot of the device body designed for it so that the F part is at the bottom.
- Lock the battery (9) by lowering the lever (16).



⚡ Using Built-in Laser Rangefinder

- Press the **ON/OFF** button **(1)** briefly to power the device on.
- Press the **UP** button **(2)** briefly to start the rangefinder. The rangefinder reticle will appear in the center of the display.
- Place the rangefinder reticle on the target to measure the distance.
- Briefly press the **UP** button **(2)** to measure the distance.
- The distance in meters (or yards) is displayed in the upper right corner of the display.
- --- m appears on the display in the case of error or failure to measure the distance.
- The rangefinder will turn off after 3-4 seconds of inactivity. The rangefinder reticle and obtained range values in the field of view will disappear.



Scan Mode (SCAN)

- Press the **ON/OFF** button **(1)** briefly to power the device on.
- Briefly press the **UP** button **(2)** to start the rangefinder. The rangefinder reticle will appear on the display.
- Place the rangefinder reticle on the measuring target.
- Press and hold down the **UP** button **(2)** for 2 seconds to measure the distance in scan mode. A SCAN message will appear in the upper right corner of the display.
- The distance value will change in real time depending on the visual target distance.
- Additional settings of the rangefinder are in the main menu item (access the menu by holding down the **MENU** button **(3)**).
- Hold down the **UP** button **(2)** for 2 seconds to deactivate the Scan Mode.

⚡ Stream Vision App

Download the Stream Vision app to stream the image via Wi-Fi from the display of your Accolade LRF to a smartphone or tablet. Detailed instructions are available on the Internet at: www.pulsar-vision.com.



Specifications

MODEL	ACCOLADE 2 LRF XP50 PRO
SKU	77461
MICROBOLOMETER	
Type	uncooled
Resolution, Pixels	640x480
Pixel Pitch, μm	17
NETD, mK	< 25
Frame Rate, Hz	50
OPTICAL SPECIFICATIONS	
Magnification, x	2.5 - 20
Lens	F50 mm, F/1.2
Field of View, $^{\circ}/\text{m}@100\text{m}$, Horizontal	12.4/ 21.8
Eyepiece Focusing Range, Dioptre	± 5
Range of Detection, m/y (Object 1.7m high)	1800 / 1968.5
DISPLAY	
Type	AMOLED
Resolution, Pixels	640x480
OPERATIONAL CHARACTERISTICS	
Power Supply, V	3.0 - 4.2
Battery Type / Capacity / Nominal Output Voltage	Li-ion Battery Pack IPS7 / 6400 mAh / DC 3.7 V
External Power Supply	5 V
Battery Life at $t=22^{\circ}\text{C}$, h*	9
Level of Protection (acc. to IEC 60529) with Battery Installed	IPX7
Operating Temperature, $^{\circ}\text{C}$ / $^{\circ}\text{F}$	-25...+50 / -13...+122
Dimensions, mm/ inch	164 x 130 x 64/ 6.46 x 5.12 x 2.52
Weight (without Battery), kg/oz	0.6 / 21.16
VIDEO RECORDER	
Video / Photo Resolution, Pixels	640x480
Video / Photo Format	.avi/ .jpg
Built-In Memory	16 GB
Built-In Memory Capacity	650 minutes of video or more than 100 000 photos
WI-FI CHANNEL	
Frequency	2.4 GHz
Line-of-Sight Reception Range, m/y**	up to 15/16.4
Standard	802.11 b/g
RANGEFINDER	
Safety class for laser equipment according to BS / EN 60825-1:2014	1
Wavelength, nm	905
Measurement Range, m/y***	1000/1093.6
Accuracy of Measurement, m/y	$\pm 1/1.09$

* Actual battery life may vary depending on the use of Wi-Fi and the built-in laser rangefinder.

**The reception range may vary depending on various factors: obstacles, other Wi-Fi networks.

***It depends on the details of the measuring target and environmental conditions.

The product design improvements are possible to make it more appealing for the consumer. The current version of the User's Manual can be found on the website www.pulsar-vision.com

The device repair is possible within five years.