



Quick Start Guide

DIGISIGHT ULTRA N450 LRF / N455 LRF

Riflescope

ENGLISH / FRANÇAIS / DEUTSCH / ESPAÑOL / ITALIANO / РУССКИЙ

EN **Attention!** Digisight Ultra N450/N455 LRF riflescopes require a license if exported outside your country.
For detailed information about the device, please download the complete user manual: <https://www.pulsar-nv.com/glo/products/33/night-vision-riflescopes/digisight-ultra-lrf>

FR **Attention!** Les viseurs Digisight Ultra N450/N455 LRF nécessitent une licence s'ils sont exportés hors de votre pays.
Pour des informations détaillées sur le dispositif, prière de télécharger le manuel d'utilisation complet: <https://www.pulsar-nv.com/glo/products/33/night-vision-riflescopes/digisight-ultra-lrf>

DE **Achtung!** Zielfernrohre Digisight Ultra N450/N455 LRF benötigen eine Lizenz, wenn sie außerhalb Ihres Landes exportiert werden.
Für detaillierte Informationen über das Gerät, bitte das vollständige Handbuch herunterladen: <https://www.pulsar-nv.com/glo/products/33/night-vision-riflescopes/digisight-ultra-lrf>

ES **¡Atención!** Los visores Digisight Ultra N450/N455 LRF requieren una licencia si se exportan fuera de su país.
Para obtener información detallada acerca del dispositivo, descargue el manual de usuario al completo: <https://www.pulsar-nv.com/glo/products/33/night-vision-riflescopes/digisight-ultra-lrf>

IT **Attenzione!** I cannocchiali Digisight Ultra N450/N455 LRF necessitano una licenza se esportati al di fuori del proprio paese.
Per informazioni dettagliate sul dispositivo, scaricare il manuale d'uso completo: <https://www.pulsar-nv.com/glo/products/33/night-vision-riflescopes/digisight-ultra-lrf>

RU **Внимание!** Прицелы Digisight Ultra N450/N455 LRF требуют лицензии, если они экспортируются за пределы Вашей страны.
Для получения подробной информации о приборе скачайте полное руководство по эксплуатации: <https://www.pulsar-nv.com/glo/products/33/night-vision-riflescopes/digisight-ultra-lrf>



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

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.

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

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

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.

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

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



Delivery package

- Digisight Ultra LRF Riflescope
- Case
- Rechargeable battery
- Battery charger
- Mains charger
- MicroUSB cable
- IR illuminator cover
- IR illuminator connector cap
- Mount (with screws and hex-nut wrench) *
- Short instruction manual
- Lens cloth
- Warranty card

* Mount may not be included into certain orders.

Improvements may be introduced to the design and software of this product to enhance its user features.

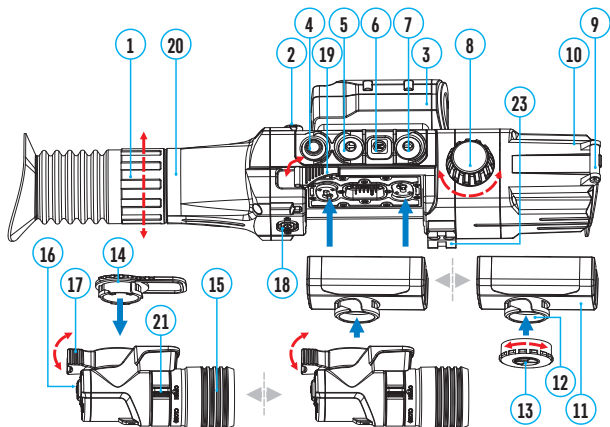
The current versions of the User's Manual (short and full) may be found on the www.pulsar-vision.com website.

Electromagnetic compatibility. This product complies with the requirements of European Standard EN 55032:2015, Class A. Caution: Use of this product in a residential area may cause radio interference.

Components and Controls

1. Dioptre adjustment ring
2. MicroUSB connector
3. Rangefinder unit
4. REC button
5. DOWN button
6. MENU button
7. UP button
8. Lens focus knob
9. Lens cap
10. Lens
11. Rechargeable battery
12. Connector for installing IR illuminator
13. IR illuminator connector cap
14. IR illuminator cover
15. IR Illuminator
16. IR button
17. IR illuminator arm
18. ON/OFF button
19. Battery installation lever

- 20. Eyepiece
- 21. IR-illuminator lens lock knob
- 22. Mount
- 23. Weaver rail

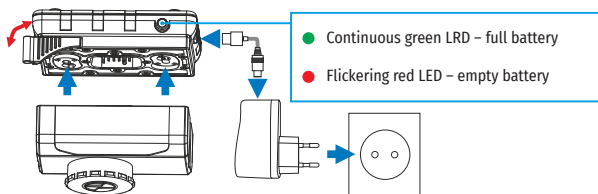


⚡ Operation of buttons

Button	Short press	Long press
ON/OFF button (18)	Riflescope on / Display on	Riflescope off / Display off
REC button (4)	Start/Pause video recording / Take a picture	Switch between video and photo modes / Stop recording
Navigation button DOWN (5)	Discrete zoom activation / Down/left menu navigation	PiP mode ON/OFF
MENU button (6)	Open quick menu / Toggle between quick menu options / Confirm selection	Close quick menu / Open/Close main menu
UP navigation button (7)	Rangefinder activation / Up/right menu navigation	SumLight function ON/OFF
IR button (16)	IR on switch / Adjust IR power level	IR off switch

Charging the battery

- Raise the lever on the charger.
- Insert the battery into the charger as far as it will go.
- Lower the lever.
- Attach the microUSB plug of the USB cable to the microUSB connector on the charger.
- Connect the second plug on the USB cable to the mains connector.
- Insert the mains connector into a 110–220V socket. Battery charging will begin.
- Once charged, remove the battery from the charger by raising the lever.



Installing the battery into the rifle scope

- Raise the battery installation lever (19). Insert the battery as far as it will go into the slot for it on the body of the scope so that the connector groove of the IR illuminator is on top.
- Lock the battery in place by lowering the battery installation lever.
- Make sure the battery is correctly installed by turning on the sight with a short press of the ON/OFF button (18). An image will appear on the display.

Installing the IR illuminator

The scope is equipped with a bolt-on IR illuminator of 940 nm or 850 nm wavelength, which enables you to increase significantly the viewing range in conditions of low light or darkness.

- Remove the IR illuminator connector cap. Turn the cap as shown in the diagram, in the opposite direction to the battery.
- Remove the IR illuminator cover and raise the IR illuminator lever.
- Attach the illuminator tightly to the IR illuminator connector and lower the lever.
- Ensure that the IR illuminator is installed and connected to the scope. The IR icon will disappear.
- To activate, briefly press the IR button (16) at the end of the illuminator.
- Successive brief presses of the IR button (16) will toggle the brightness level of the illuminator.
- To adjust the position of the light spot in the field of view of the sight, turn the IR-illuminator lens lock knob (21) to the OPEN position.
- By moving the lens of the IR illuminator with your hand, adjust the required

position of the light spot in the field of view of your sight. After successful adjustment, turn the lock knob (21) in the CLOSE direction while aiming the lens in the desired direction to lock the IR illuminator lens.

- Switch the IR illuminator off with a long press of the IR button (16). The IR icon will disappear from the screen.

Adjusting the image

- Remove the lens cap (9).
- Turn the scope on with a short press of the ON/OFF button (18). An image will appear on the display.
- Adjust the reticle and icons to a sharp image by turning the dioptre adjustment ring on the eyepiece (1).
- Aim the sight at a remote object.
- Obtain a clear image of the object by rotating the lens focus knob (8).
- Brightness and contrast of the image are adjusted via the shortcut menu with a short press of the MENU button (6). Scroll to 'brightness' or 'contrast' with a series of short presses of the MENU button (6).
- Select the brightness and contrast levels on a scale of 0 to 20 with a series of short presses of the UP (7) and DOWN (5) buttons.
- Turn the scope off with a long press of the ON/OFF button (18).

Turning on and setting modes for the laser rangefinder

The Digisight Ultra LRF scope is equipped with an integrated laser rangefinder.

Single Measurement Mode

- Turn the scope on with a short press of the ON/OFF button (18).
- Activate the rangefinder with a short press of the UP button (7). The red rangefinder reticle and the PIP window with the riflescope reticle (if PIP was turned off before turning on the rangefinder) appears.
- Aim the scope at an object. Briefly press the UP button (7) to take a single measurement of the distance to the object.
- The results of the measurement will appear in the top right corner of the display.
- The rangefinder switches off after 3 seconds of inactivity.

Scan mode

- Turn the scope on with a short press of the ON/OFF button (18).
- Activate the rangefinder with a short press of the UP button (7). The red rangefinder reticle and the PIP window with the riflescope reticle (if PIP was turned off before turning on the rangefinder) appears.
- Activate the scan mode by long pressing the UP button (7) to continuously measure the distance to the object of observation.
- The display will continuously display the measurement results in the upper right corner.
- Turn the rangefinder off with a long press of the UP button (7).

Additional rangefinder settings and functions as accessed via the LRF menu.

⚡ Stream Vision App

Download the Stream Vision App to stream the image via Wi-Fi from your scope to a smartphone or tablet. Detailed instructions are available online at www.pulsar-vision.com

Default Wi-Fi password: 12345678.



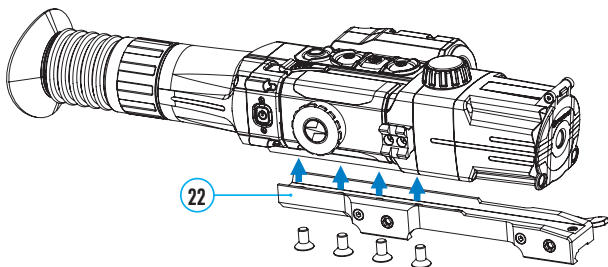
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Available on the
App Store

⚡ Fitting the mount **

- Attach the mount (22) to the rail on the scope using a hex-nut wrench and screws using a threaded retainer.
- The mount may be fitting using either two or three screws depending on the position selected for it.
- The choice of position for the mount helps to ensure that the exit pupil is removed correctly, depending on the type of weapon.



** for models supplied with a mount

⚡ Specifications

MODEL	Digisight Ultra N450 LRF	Digisight Ultra N455 LRF
SKU#	76627	76628
Optical specifications		
Len focus (mm)	50	
Magnification	4.5x-18x	
Relative aperture (D/f)	1:1.2	
Field of view (horizontal), °/m@100m	6.2 / 10.9	
Eye relief, mm	50	
Diopter eyepiece adjustment, diopter	+3/-5	
Minimum focusing range (m)	5	

MODEL	Digisight Ultra N450 LRF	Digisight Ultra N455 LRF
SKU#	76627	76628
Detection distance for deer-sized objects, m	550	500
Reticle		
Click value, mm per 100 m	10 (at 4.5x) / 2.5 (at 18x)	
Click range (H/V), mm per 100 m	2000 (± 100 clicks)	
Electronic specifications		
Sensor type and resolution, pixels	HD CMOS / 1280x720	
Display type and resolution, pixels	AMOLED / 1024x768	
Detachable IR illuminator		
Type / wavelength (nm)	LED/ 850	LED/ 940
Laser rangefinder		
Wavelength (nm)	905	
Maximum measurement range (m)	1000	
Measurement accuracy (m)	1	
Video recorder		
Video/photo resolution (pixels)	1024x768	
Video / photo format	mp4 / .jpg	
Built-in memory	16 GB	
Wi-Fi channel		
Frequency	2.4 GHz	
Standard	802.11 b/g	
Operating features:		
Power supply (V)	3.0-4.2	
Battery type / Capacity / Rated Output Voltage	Li-Ion Battery Pack IPS7A / 6400 mAh / DC 3.7 V	
External power supply	MicroUSB type B (5 V)	
Operating time on IPS7A Battery at t=22 °C, h*	6	
Maximum shock resistance on a rifle (Joules)	6000	
Maximum shock resistance on a smooth-bore weapon (caliber)	12	
IP code (IEC60529) degree of protection	IPX7	
Operating temperature	-25°C – +50°C	
Dimensions (mm)	370x142x74	
Weight (kg)	1.1	

*In the minimum consumption mode. At subzero temperatures, the capacity of the battery (or batteries) significantly reduces causing decrease in riflescope's operating time.