

Forward

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

Digital NV Front Attachment

FORWARD

F455S





Enhanced nighttime sensitivity

The Forward F455S uses proprietary software, cutting-edge electronic components and signal-processing algorithms to deliver one of the industry's highest values of sensitivity in infrared spectrum (nighttime sensitivity). The result is a device offering flawless passive-mode performance in deep twilight, even night, without switching on IR illumination. High sensitivity in the range of 900-950nm makes it possible to use the Forward F455S with invisible IR Illuminators.





Easy transformation of an optic sight into a night vision device

To install the Forward F onto the front optical bell of a day sight, adapters of various mounting size are used. The adapter permanently attaches to the sight's bell. This allows quick installation of the Forward F attachment in front of the lens for nighttime shooting. When the attachment is not used, the adapter accommodates a protective cap to protect the sight lens in the daytime.





Maintaining the advantages of daylight optics in the nighttime

Using the Forward F Attachment allows users to maintain the advantages of their day optics in the nighttime. Advantages include: longer eye relief as compared to that in the night vision riflescopes, conventional shape of the aiming reticle, continuous zoom, quick conversion from day to night hunting mode, preserving shooting style.



Point-of-Impact Stability

Forward F allows shooters to focus on quick target acquisition and shot placement in low-light environments without stressful, complex adjustments by utilizing a sequential layout of optical and electronic components designed to provide precise sight alignment and ultra-easy adjustability.

Attachment's design ensures stability of the point-of-impact when re-focusing the attachment at various distances.



“Invisible” IR illuminator with 700 mW power with adjustable light spot position

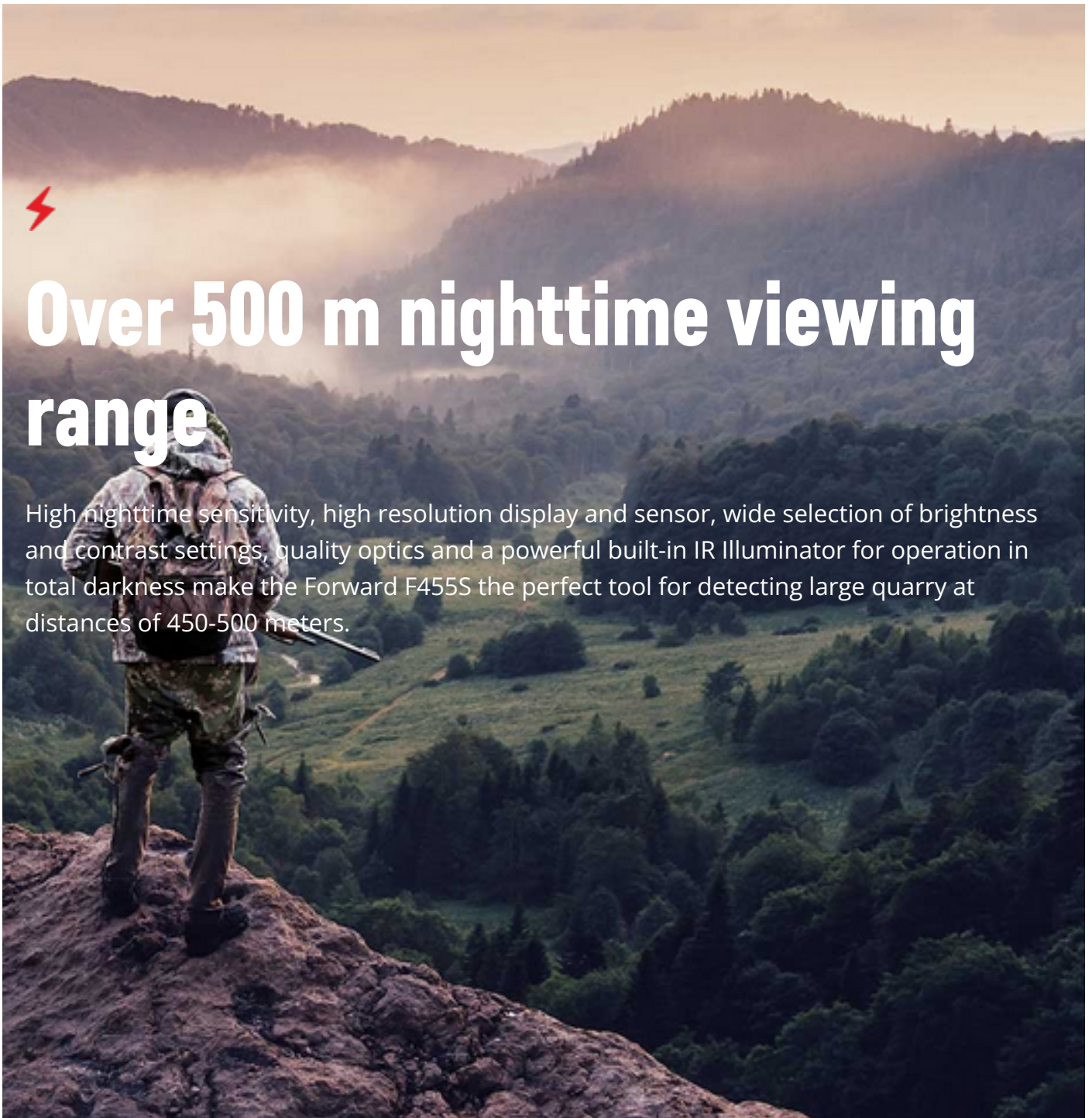
A new Pulsar Ultra-X940S removable IR illuminator emits 940 nm in the “invisible” range. The power level of the IR illuminator varies between 175, 350 and 700 mW depending on the required illumination intensity for the particular type of observation. The optical part of the illuminator provides flexible adjustment of the light flux direction for full and uniform illumination of the observation area.





Over 500 m nighttime viewing range

High nighttime sensitivity, high resolution display and sensor, wide selection of brightness and contrast settings, quality optics and a powerful built-in IR Illuminator for operation in total darkness make the Forward F455S the perfect tool for detecting large quarry at distances of 450-500 meters.





Easy control with wireless remote operating panel

The Pulsar BT Bluetooth remote operating panel is placed on the handguard or buttstock of a hunting weapon. With the Pulsar BT remote operating panel, the hunter only needs to make minimal movements to control the digital attachment features and can concentrate on hunting.





High caliber recoil resistance: 12 gauge., 9.3x64, .375H&H

Forward F front attachments feature high shock resistance allowing use with large caliber hunting rifles such as 9.3x64, .30-06, .300, .375. etc., as well as smooth-bore and airsoft weapons.



More features



HD-Sensor

The highly sensitive CMOS sensor featuring 1280x720 HD resolution delivers a high definition image with precise detail rendering.



Shockproof magnesium alloy housing

Rugged and light-weight magnesium alloy housing is designed to withstand recoils of high caliber rifles. Increased structural rigidity reduces vibrations during the shot and leads to enhanced ballistics while properties of magnesium alloy help to ensure better heat dissipation.



Four-point quick bayonet mount with automatic clamp

The attachment docks the proprietary adapter with the durable four-point bayonet assembly.

Pulsar line includes three models of adapters to mount on sights with a lens diameter of 40; 42; 50; 56mm.



Integrated video and sound recorder

The Forward F are equipped with a recorder which enables video shooting and image

capturing at the time of observation. High quality videos will also record sound so you can capture your full experience whilst using the device. High quality videos will also record sound so you can capture your full experience whilst using the device. Video and photo files saved in the internal memory can be transferred to a PC/ laptop or mobile device via wired or Wi-Fi connection.



Quick-change long-life rechargeable battery packs

Forward F uses an advanced self-contained autonomous B-Pack power supply system. The rechargeable battery IPS7 (6.4 Ah) fits into a special slot in the riflescope's body without protruding and delivers over 5 hrs. of operation from a single charge in the maximum consumption mode. Quick-release and wireless design, long operating time are the major highlights of this power system.



Wi-Fi. Integration with IOS and Android devices

The built-in WiFi module connects the device with either Android or iOS smartphones using the Stream Vision 2 mobile app. This combination opens up a wide range of options: wireless device software updates, real-time image transmission to the mobile device screen, remote control device functions and much more. Users registered in the application are provided with cloud storage space for photos and videos taken with a digital or thermal imaging device. An important feature is that the device is still compatible with the previous, first version of the Stream Vision application.



Instant start-up

Forward F455S starts up within three seconds after ON button is pressed.



Software sensitivity enhancement algorithm SumLight

SumLight function increases sensor sensitivity, which allows passive observation (with IR off) in night. The software automatically activates algorithms, such as summing adjacent pixel signals in addition, thus increasing sensitivity while preserving sufficient image quality.



Fully waterproof IPX7

The Forward F is fully waterproof featuring an IPX7 level of protection. The device is able to operate in precipitation of any intensity and survive a short-term submersion.



Operating Temperatures from -25 to +50°C

Forward F455S is effective in use at low temperatures (down to -25°C). The frost-resistant AMC features quick response rate and ensures a crisp image when viewing fast moving objects.

Specifications



Forward F455S



Forward F455

Main

Sensor	CMOS HD 1280x720	CMOS HD 1280x720
IR Illuminator wavelength, nm	940 (invisible)	940 (invisible)
IR Optical power, mW	up to 700	250
Detection range, m	500	500

Sensor

Type	CMOS	CMOS
Resolution, pixels	1280x720	1280x720

Optics

Objective lens	F50/1.0	F50 / 1.0
Field of view (HxV), degrees / m @ 100 m	6.3x4.7 / 11x8.3	6.3x4.7 / 11x8.3
Recommended magnification of the day sight, x	2 – 8	2 – 8

Display

Type	AMOLED	AMOLED
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Resolution, pixels	1746x1000	1746x1000
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Infrared Illuminator

Model	Pulsar Ultra-X940S (#79199)	Pulsar Ultra-X940 (#79136) or Pulsar Ultra-X940A (#79192)
Emitter	LED	LED
IR wavelength, nm	940 (invisible)	940 (invisible)
IR Optical power, mW	750	250
IR spot position adjustment	yes	no (Pulsar Ultra-X940) / yes (Pulsar Ultra-X940A)

Range Performance

Detection range, m	500	500
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Video Recorder

Video / photo resolution, pixel	640x480	640 x 480
Video / photo format	.mp4 / .jpg	mp4 / .jpg
Built-in memory, GB	16	16

Wi-Fi

Wireless Standard	802,11 b/g	802,11 b/g
Frequency, GHz	2.4	2.4G

Bluetooth

Wireless Protocol	BLE 4.2	BLE 4.2
Wireless Standard	IEEE 802.15.1	IEEE 802.15.1
Frequency, GHz	2.4	2.4

Environmental Characteristics

Degree of protection, IP code (IEC60529)	IPX7	IPX7
Operating temperature range, °C	-25 – +50	-25 – +50

Connections and Compatibilities

Max. recoil power on rifled weapon (Eo), Joules	6000	6000
Shock resistance on the smooth-bore rifles, caliber	12	12
Remote control	Pulsar BT (included)	Pulsar BT (optional; not included)
Supported Application	Stream Vision 1, Stream Vision 2	Stream Vision 1, Stream Vision 2

Power Supply

Output voltage, V	3.0 – 4.2	3.0 – 4.2
Battery type	Li-Ion Battery Pack IPS7	Li-Ion Battery Pack IPS7
Capacity, mAh	6400	6400 mAh
Operating time on battery pack (at t=22°C), h *	up to 9	up to 9
External power supply, V	Micro USB type B (5V)	Micro USB type B (5V)

Weight & Size

Body material	Magnesium alloy	Magnesium alloy
Dimensions, mm	155x136x77	155x136x77
Weight, kg	0.83	0.83

Trade Data

SKU (Model #)	78189	78186
Status	production	discontinued

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