

PARD

DS35-70-850-LRF Day & Night Vision Rifle Scope



Ultra-Clear IPS LCD Display

The DS series scopes feature an 800×800 LTIPS circular digital display that delivers high-resolution images and rich contrast. The extra wide field of view provides exceptional environmental awareness. User experience will closely resemble a traditional glass optical scope.



Innovative Image Shift Zero

Sighting your scope has never been easier. After taking your first shot, simply move the digital reticle crosshairs to the actual impact point of the projectile on the paper target and save this location in the device. The device will automatically recenter the reticle cross hairs and adjust your new center point to where it should be located for future shots. 1 shot, that's all it takes!



Before image shift zero



After image shift zero

- ▶ Easier to sight your scope
- ▶ Wide Field of View



Long Eye-relief

The DS incorporates 100mm eye relief to provide clear target visibility. This provide enough distance to allow for recoil and safe shooting regardless of what platform you are using. There is also a removable rubber eye cup that provides cushion and concealment of the digital diplay.



Eye relief 40mm



Eye relief 100mm

Focus-free Lens Cap

PARD's innovative design is based on the pinhole effect. This is an optical concept capitalizing on the theory that the smaller the pupil size, the less defocus from spherical aberrations is present. Quite simply, you do not need to refocus the lens during bright daytime use to observe targets at different distances. Just close the pinhole cap which will act as a sunshade.



100m



50m



Extremely Sensitive CMOS Sensor

The CMOS .001 low lux image sensor provides detailed, high resolution images in the lowest light situations. The DS35 offers a 2560×1440 (2K) sensor and the DS33 offers a 1920×1080 sensor to best suit individual needs.



Full HD



2K

Integrated Ballistics Calculator

The built-in ballistics calculator will accurately calculate the trajectory of the projectile and impact point, based on preprogrammed parameters. The Laser Range Finder feeds the target distance into the ballistics calculator which instantaneously moves the vertical crosshair on the reticle to a new holdover point.

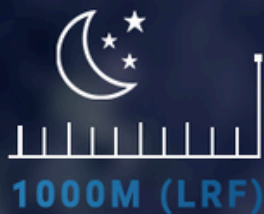


► Quickly calculate a precise aiming point to accurately place your shot

Fast Detection 1000M LRF

Targets can be detected up to 1000M away. The newly developed compact ranging module is precise and has fast detection speed. When paired with integrated ballistics, the LRF gives you the range information you need at night to hunt smarter.


1000M




Direction Adjustable IR Light

You can unscrew the IR head and point the IR light in your desired direction. The IR light helps in target identification and is ideal for spotting and navigation. At night, the IR illumination range can reach up to 500 meters.

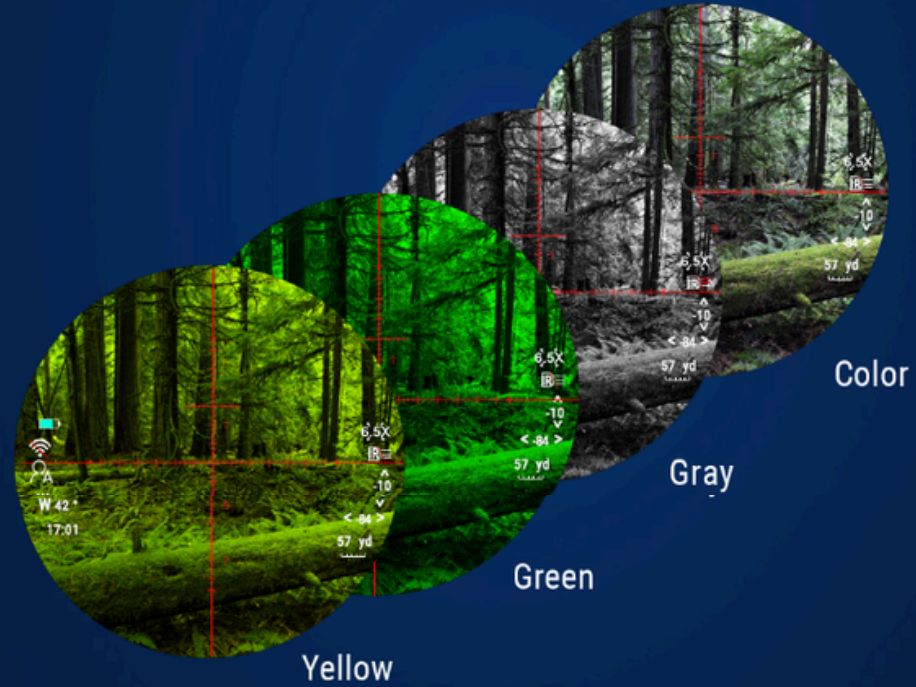


 850nm/940nm Optional wavelength

 Powerful illumination range

4 Scene Modes Available

Select from 4 individual scene modes that will help increase contrast based on environmental conditions.



Self-activated Recording

Self-activated recording provides an ongoing 20 second loop that is saved to the onboard RAM memory of the device. When recoil is detected, the RAM video is automatically moved to the removable TF card. You never have to worry about remembering to turn the video recording on or about overwriting other footage.

Never miss that special shot of a lifetime.



Shooting

Interactive Control Knob

The convenient location of the control knob allows the user to quickly and easily change between menu options and operates the ballistic calculator when in hunting mode. You can adjust and operate the DS35 with this one single knob.



- ▶ Flexible menu control
- ▶ Easy to navigate menu
- ▶ Convenient location

Simple User Interface (UI)

The PARD UI is simple and easy to use. All scope parameters are displayed on either side of the reticle, leaving the middle of the display clear to view the target.



DAY



Night



IP67 Waterproof

Be prepared for any outdoor adventure and extreme weather conditions. This device is waterproof and IP67 rated, ensuring that it performs flawlessly in a variety of harsh outdoor environments such as wet and moist weather and snow for operational reliability.

Additional Features



Photos/Videos

Capture and record hunting memories. Share the high resolution digital content with friends, family and through social media.



6 Reticle Options

Personalize your individual preferences with 4 color options and 6 reticle styles. You can save 5 individual profiles to support different ammunition & different rifles.



Wifi

Built in WiFi allows you to connect to your phone or tablet as an external viewfinder and you can transfer images and videos instantly.



Firmware Upgrade

Firmware updates have become more intuitive, easier and convenient. You can automatically update the firmware using the TF card at home.



Additional Features



Objective Lens

The DS is available with 2 different lens options - 50mm and 70mm. The 50mm lens has a wider field of view while the 70mm lens provides higher magnification.



Lens Lever

This innovative feature allows the user to easily locate and index the focus ring without having to look away from the display screen.



Rechargeable Battery

The DS scope uses a rechargeable 18650 lithium battery and a USB type-C cable connection for easy and convenient charging.



Recoil Resistance

The DS scope can withstand up to 6000J of force, roughly equivalent to a .308 caliber.



Specifications

DS35-70-850-LRF



Sensor

Resolution(px)	2560*1440
Pixel size(um)	2.9um
Sensitivity(lux)	0.001lux
Frame rate(fps)	30fps(night); 60fps (day)
Image Engine	PARD VLEA

Optics

Objective lens	70mm F2.4
Optical Magnification(x)	5.6x
Digital zoom(x)	2x
PIP(x)	2x
Continuous digital zoom	5.6-22.4x
Field of view (HxV)	3.4° 4.8°
Focus range	5m-∞
Eye relief(mm)	100mm
Exit pupil(mm)	10mm
Diopter adjustment(°)	TBD

Specifications

DS35-70-850-LRF



IR Illuminator

IR Type	VCSEL
IR power	5W
IR illuminating level	3 levels
IR distance(m)	350m
IR Wavelength(nm)	850nm

Display

Type	IPS LCD
Resolution(px)	800*800
Reticle Style	6
Reticle Color	white,yellow,green
Color mode	Color,Mono BW,Mono Green,Mono Yellow

Photo / Video

Photo resolution(px)	2560*1440
Photo format	JPG
Video resolution(px)	1920*1080
Video format	MP4
Storage(GB)	TF card(128GB)

Specifications

DS35-70-850-LRF



Main function

PIP	Yes
LRF detection range(m)	1000(LRF version)
Ballistic calculator	Yes
Range unit selection	meter/yard
Gyroscope	Yes
Self-activated recording	Yes
Auto recording	Yes
Loop recording	Yes
Time stamp	Yes
Record audio	Yes
Beep sound	Yes
Exposure compensation	Yes

Interfaces

USB Type-C	TYPE C
HDMI Output	Yes

Connections

WiFi	Yes
Supported Apps	PardVision

Specifications

DS35-70-850-LRF



Power Supply

Battery type	Lithium Ion18650
Output voltage(V)	3.7
Operating time(h,max)	8
External power supply(V)	USB Type-C

Environmental characteristic

Degree of protection	IP67
Operating temp(°C)	-20 – 50
Recoil Power(J)	1000G

Material

Housing	Aluminium Alloy
Objective lens	Glass

Measurement

Product dimension(L x W x H, mm)	L350mm*W88mm*H95mm(W/O Long Eyepiece) L410mm*W88mm*H95mm(W/ Long Eyepiece)
N.W/pcs(without battery, g)	680g(W/O Battery)