

# dS 5-25x52 P GEN. II SMART & INDIVIDUAL



## 1 SMART ON TARGET

It's never been easier to concentrate on the essential aspects while hunting. At the push of a button, the dS instantly displays the correct aiming point together with all crucial data.

## 2 PERFECTLY CUSTOMIZED

Thanks to the high degree of customizability, you can adapt the dS exactly to your personal requirements and to different hunting situations.

## 3 IT'S OPTICS THAT COUNT

Uniting the benefits of analogue and digital rifle scopes, the dS offers you uncompromising optics, 5x zoom, high detail recognition, outstanding viewing comfort and a classic reticle along with a high-resolution display.



SEE THE UNSEEN



# KEY FACTS

The dS offers the total solution for shooting. It measures all the relevant parameters and uses them to calculate the correct aiming point. The intelligent technology provided by this rifle scope greatly simplifies shooting at different distances for hunters. It automatically displays the correct aiming point, taking into account the distance, air pressure, temperature, angle, magnification, and your personal ballistics data.

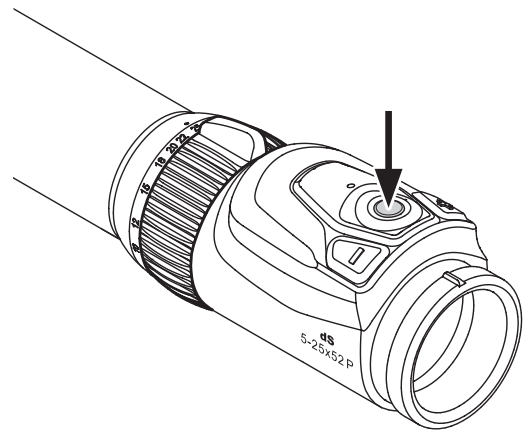
# DESIGN

The dS 5-25x52 P Gen. II version comes in a slimmer design. The greater distance between the cockpit and the magnification adjustment ring makes it even easier to operate the adjustment ring when aiming.



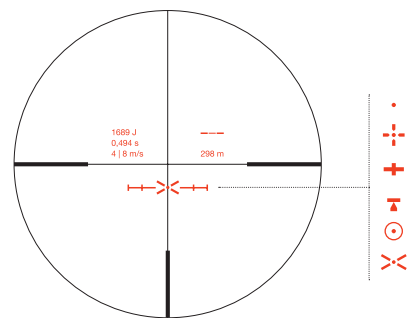
# MEASUREMENT OF DISTANCE AND AIMING POINT CORRECTION

An illuminated circle, the aiming mark for distance measurement, appears after you press the measurement button and the measuring function is activated. If you release the measurement button, the measurement is triggered and the aiming point calculated from your entered data will appear. The reference mark is the central aiming point of the physical reticle. The instrument measures the exact distance and immediately calculates the exact aiming point using the set magnification, the air pressure, temperature and angle.



# DIGITAL RETICLE OPTIONS

For maximum customization, you can choose between six different reticle options. You can adjust the thickness of the lines and dots in the app.

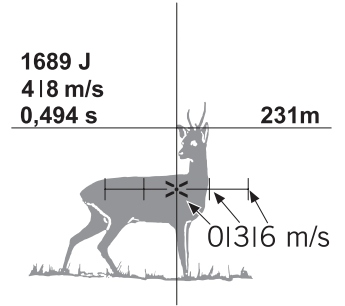
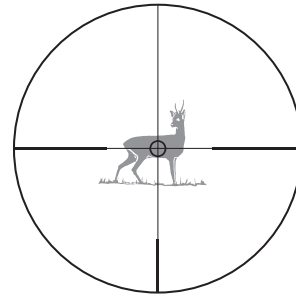
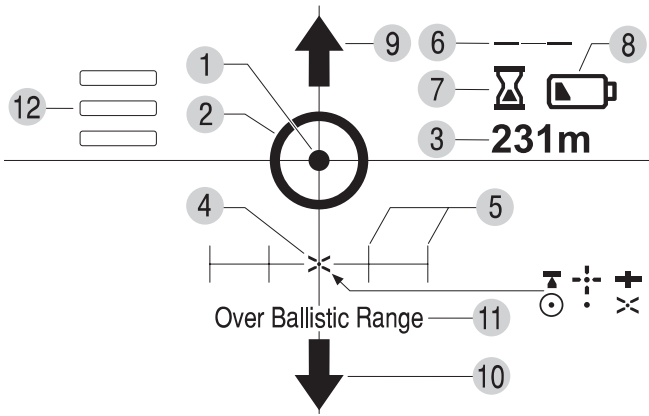


# DISPLAY WITH FUNCTIONS AND WARNINGS

The dS Configurator app gives you several options so that you configure the dS according to your personal preferences:

- Metric or imperial display
- Select reticle type
- Switch display elements on and off (windage marks, alignment indicator)
- Wind speed, bullet velocity, flight time, and knock-down

- power: Select the parameters (max. 3) you want to be displayed and define where they are shown on the display
- Set specific values (wind speed, line width of windage marks, reticle width, display duration)



### 1 ILLUMINATED RETICLE

### 2 AIMING MARK FOR DISTANCE MEASUREMENT

An illuminated circle, the aiming mark for distance measurement, appears after you press the measurement button.

### 3 DISTANCE

Display of precise range measurement

### 4 CORRECT AIMING POINT

The dS Configurator app allows you to choose between different reticle types.

### 5 WINDAGE MARKS

(optional, can be switched on and off in the app)

The dS Configurator app allows you to choose between five different wind speeds. The distances between the windage marks result from the range and the ballistic data on the firearm/ammunitions combination that you have entered in the dS Configurator app. Whenever the wind drift is too high, the windage marks may lie outside of the display. In this case, they are hidden. They are also hidden if the wind drift is too low and the windage marks consequently are too close together. Each hidden value is replaced in the display by "-".

### 6 ALIGNMENT INDICATOR

(optional, can be switched on and off in the app)

The alignment indicator shows whether the firearm is perfectly horizontal. The symbol disappears after one second. The alignment indicator display is optional and can be switched on and off in the dS Configurator app.

### 7 TIME-OUT WARNING

An hourglass symbol appears 10 seconds before the deactivation of the display. You can set the duration at which the reticle illumination and display will be turned off automatically in the dS Configurator app.

### 8 BATTERY WARNING

When the battery symbol appears, the battery must be replaced. Approximately 100 measurements are still possible. The dS can of course still be used with the reticle display off at any time. You can check the battery status in the dS Configurator app if you are connected to the rifle scope.

### 9 AND 10 ARROW UP/DOWN

The aiming point is located above/below the display. If you reduce magnification, the aiming point will become visible again.

### 11 OVER BALLISTIC RANGE

The aiming point cannot be calculated, this may have the following reasons: Measurement distance > 1.024 m, angle > 45° up to 600 m, angle > 30° between 600 m and 1.024 m.

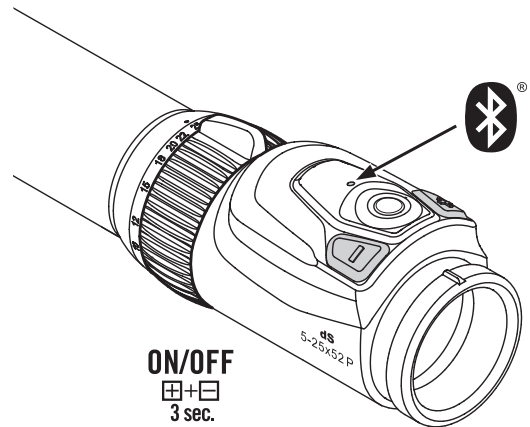
### 12 CUSTOMIZABLE DISPLAY FIELDS

Three customizable fields (display position 1-3) are available in the display for wind speed, bullet velocity, flight time, and knock-down power. In the dS Configurator app you can set the parameters you want to be displayed. In addition, you can select your preferred display positions from a choice of three.



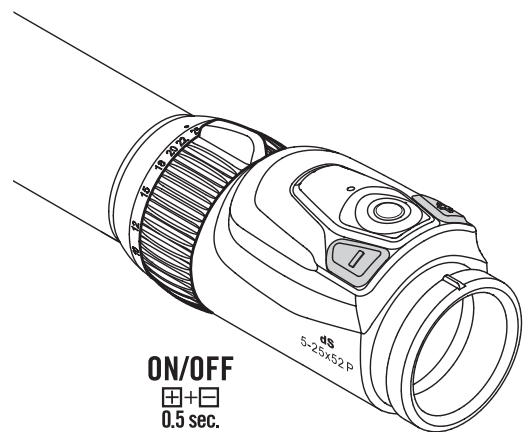
# CONFIGURING THE RIFLE SCOPE WITH THE APP

1. Install the dS Configurator app on your smartphone/tablet (Android or iOS).
2. Activate Bluetooth® on the smartphone and the dS. To do this, press the +/- buttons on the rifle scope simultaneously for 3 seconds until the LED flashes.
3. Connect the smartphone and dS via Bluetooth®. Use the serial number located on the bottom of the eyepiece for this purpose. The LED permanently lights up once a connection has been successfully set up.
4. Enter the sighting-in values recorded on the technical data sheet in the dS Configurator app.
5. Finally, transfer the data back to the dS.
6. Simultaneously press the +/- buttons again for 3 seconds to switch Bluetooth® off again on the dS.



# OPERATION OF THE RETICLE ILLUMINATION

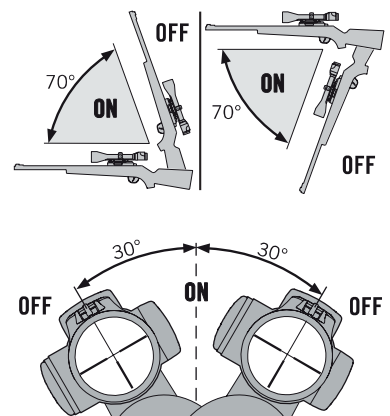
To turn on the reticle illumination (night reticle), press the plus/minus buttons simultaneously for half a second. Alternatively, you can press only the plus or only the minus button for half a second. Once the reticle illumination is turned on, you can now adjust the brightness by means of the +/- buttons and select the setting of your choice from among 64 brightness levels. Keep the button pressed (constant impulse) to rapidly find the optimum brightness, to adjust finely press the button once (single impulse). To ensure the best possible visibility during use, the dS automatically selects between three brightness levels based on the ambient brightness.



**TIP:**  
To quickly reach the ideal level of brightness, you can press and hold the + or - button (continuous pulse).

# SWAROLIGHT FUNCTION

The SWAROLIGHT function on the rifle scope comes on automatically when the central aiming point is activated (night mode). An intelligent tilt sensor detects whether the firearm is in a shooting position. The reticle illumination switches off automatically when the rifle is tilted up or down by 70° or sideways by more than 30°. It automatically switches back on when the firearm is brought back into position.





# NEW FUNCTIONS IN THE APP

- Display of a maximum range at highest magnification with the currently selected load
- Ballistic coefficient can be selected between G1 and G7
- Optional trajectory correction by means of impact point deviation (only necessary to measure muzzle velocity, BC calculation by means of impact point deviation)



# SUPPLIED WITH

- Transparent protective cover
- Microfiber cloth
- Adjusting tool large
- Torx wrench TX6 & adjusting tool in adjustment turret
- Battery (CR123)
- Sighting in form

# ACCESSORIES

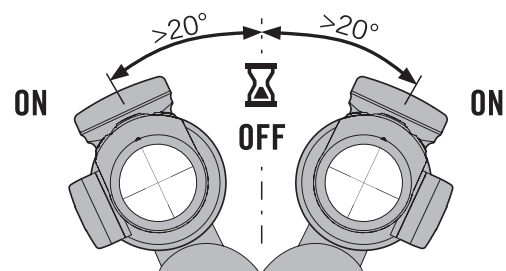
- SLP-E-46 scope lens protector
- SLP-O-63 scope lens protector
- SG-XL scope guard
- CSO cleaning set optics

# ALIGNMENT OF THE SCOPE TO THE RIFLE

The individual steps for the sighting in the firearm can be found in the dS instruction manual.

# AUTOMATIC TURN-OFF FUNCTION

You can set the duration at which the reticle illumination and display will be turned off automatically in the dS Configurator app. As a warning, an hourglass symbol appears on the display 10 seconds before it automatically switches off. You can extend the duration of the display by pressing the + or - button or by tilting the dS at least 20° to the right or left. If the display switches off, activate the measurement button to take a new measurement.



# DISPLAY IN THE EVENT OF MEASUREMENT ERRORS

The maximum measurement range is influenced by external factors. If the display "----" appears when measuring the distance, either the measuring range has been exceeded or the reflection coefficient of the object is inadequate.

	RANGE HIGHER	RANGE LOWER
Color of target	Light	Dark
Surface	Shiny	Matt
Angle to target	At right angle	Acute
Size of object	Large	Small
Sunlight	Little (cloudy)	A lot (bright sunshine)
Atmospheric conditions	Clear	Misty
Object structure	Plane (e.g. wall)	Variable (e.g. bush, tree)

# TECHNICAL DATA



## dS

Magnification	5 - 25	
Effective objective lens diameter (mm)	48 - 52	
Exit pupil diameter (mm)	9.6 - 2.1	
Eye relief (mm)	95	
Field of view (m/100 m)/(ft/100 yds)	7.3 - 1.5/21.9 - 4.5	
Field of view (degrees)	4.2 - 0.84	
Field of view, apparent (degrees)	21.5	
Diopter adjustment (dpt)	-3 to +2	
Impact point correction/click (mm/100 m)/(MOA)	7 - 1/4	
Max. elevation/windage adjustment range (m/100 m)/(in 100 yds)	1.2 - 0.7/43 - 25	
Display elevation adjustment range up/down at 25x (m/100 m)/(in/100 yds)	0.13/0.47 - 4.68/16.92	
Display elevation adjustment range left/right at 25x (m/100 m)/(in/100 yds)	0.22/0.22 - 7.92/7.92	
Parallax correction (m/yds)	50 - ∞/55 - ∞	
Objective filter thread	M63 x 0.75	
Approx. length (mm)/(in)	403/15.87	
Approx. weight (g)/(oz)	L 1,090/38.4 - SR 1,115/39.3	
Central tube diameter (mm)	40	
Display	lCoS monochrome	
Measurement range (m)/(yds)	30 - 1,375/33 - 1,500	
Measurement precision (m)/(yds)	±1	
Measurement time (s)	≤ 0.7	
Angle measurement (Grad)	±60	
Maximum aiming point correction (m)/(yds)	1,024/1,120	
Laser	Class 1 EN/FDA	
Displaytime after measurement (s)*	Selectable in the dS Configurator app	
Brightness levels	64	
Battery	CR123	
Operating time**/Battery warning approx.***	500x/100x	
dS App	Operating system	iOS from Version 10/Android from Version 8 Oreo
	Interface	Bluetooth®
	Min. coverage interface (m)/(yds)	1

Optical coatings: SWAROTOP, SWARODUR, SWAROCLEAN · Functional temperature Electronics -10°C to +55°C (+14°F to +131°F) / Mechanics: -20°C to +55°C (-4°F to +131°F) · Storage temperature: -30°C to +70°C (-22 °F to +158 °F) · Submersion tightness: 4 m/13 ft (inert gas filling) · \*can be configurated via app · \*\*at moderate brightness · \*\*\*at 23°C/73°F

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