

# RECON

DIGITAL NIGHT  
VISION SCOPES

X850 | X870



## RECON X850 | X870 FEATURES

### WIDE OPERATING TEMPERATURE RANGE

Ability to operate in normal mode at sub-zero temperatures is due to the use of a frost-resistant OLED display featuring fast response and provides crisp image when observing dynamic object.

### PROTECTION AGAINST BRIGHT LIGHT SOURCES

Digital NV devices can be turned on in daylight without the fear of being damaged either immediately or in the long term. They are not damaged by car headlights or street lighting.

For cases when the device is used during the day Recon X850/X870 has a light filter in the objectives cover, it reduces the amount of light getting into the objective, decreases brightness and increases contrast of image making observation more comfortable.

### HIGH MAGNIFICATION

Basic magnification of Recon X850/X870 is 5,5 times. The device has a 2x digital zoom function. Because the resolution of electronic components (sensor and screen) is high and because of specially calculated ocular part the image quality at 11 x remains high.

### SUM LIGHT

The use of Sum Light mode substantially increases sensitivity of the sensor thus enabling observation in low light without using the IR Illuminator.

### EXTERNAL POWER SUPPLY

Operation time can be significantly prolonged by using high-capacity external power supply units attached to the Recon X via an External Power jack. During extended use in freezing weather, the external power supply units can be stored under the operators' clothes via an included extension lead.

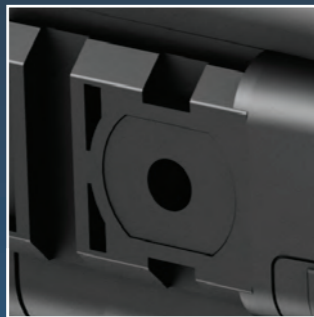
### USER INTERFACE

Current information about the status of the device, depicted in the form of blue icons and numbers, is located on the data panel in the lower portion of the screen, and does not interfere with the image observed. When switching between various functions, the respective large sized icon appears in the right portion of the screen.

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### MOUNTS

The Recon night vision scopes are equipped with an original mount fitting which combines a 1/4" tripod socket (to enable mounting on a tripod) and a Mil – STD 1913 weaver short rail to enable mounting different accessories including auxiliary IRs, sound amplification and other systems.



### BUILT-IN IR ILLUMINATOR

The Recon X850 и X870 NV scopes are outfitted with built-in IR Laser Illuminators (780 nm and 915 nm respectively). The 780nm IR provides effective observation of remote objects, the 915nm model operates in the invisible range. Both Illuminators comply with Class 1 laser safety featuring three-step power adjustment.



### VIDEO OUT

The Recon X is equipped with a jack allowing connection of external video recording sources or TV set facilitating long-time stationary viewing.



# RECON X850 | X870 SPECIFICATIONS

Model	78081	78082
Product Name	Recon X850	Recon X870
Generation	Digital	Digital
Magnification, x	5.5 / 11	5.5 / 11
Resolution, lines/mm, not less than	50	50
Objective Lens	50 mm, F/1.0	50 mm, F/1.0
Detection Range, m*	350	300
Sensor, type / resolution, pix.	CCD / 752x582	CCD / 752x582
Display, type / resolution, pix.	OLED / 640x480	OLED / 640x480
Built-in IR Illuminator, type	laser	laser
Built-in IR Wavelength, nm	780	915
Power Supply, V	4 ... 6	4 ... 6
Battery Type	4xAA	4xAA
External Power Supply	8.4÷15V / 3W	8.4÷15V / 3W
Operating Temperature, °C	-25 ... +50	-25 ... +50
Dimensions, mm	176x83x62	176x83x62
Weight, kg	0.42	0.42

\* - in normal nighttime conditions - 0.05 lux (quarter moon)