

BROLIS SIGHT S100U SWIR WEAPON SIGHT



BROLIS[®]

The BROLIS Sight S100U is rugged long-range SWIR weapon sight providing clear day/night imagery through various obscurants like dust, smoke, haze, fog and many others. The S100U incorporates in itself the latest laser diode technology providing complete covertness to conventional night vision technology. While S100U is fully capable of passive night vision it also has integrated powerful laser illuminator with motorized beam divergence control for total darkness conditions or illumination through windows. The BROLIS S100U is designed to interface with day scopes and is equipped with auto focus for easier control. Integrated micro-SD card slot allows the operator to record and store data. The S100U withstand recoils up to .50 Cal, has full metal aluminum alloy and is protected by superior wear and corrosion resistant, chemically stable coating. The S100U works with Daysights up to 15X magnification and comes with a one year warranty.

Standard Accessories: Set of CR123A batteries, External power cable, Kill flash filter, Video output cable, Operator’s manual, Locking lever adjustment wrench, Microfiber cloth, Remote control pad, Sun guard, Lens cleaning tool, MicroSD to SD adapter, Soft pouch, and Elastic straps for caps.

SYSTEM SPECIFICATIONS

CAMERA	
SENSOR:	640 X 512 PX INGAAS
WAVELENGTH RANGE:	600 - 1700 NM
SPECTRAL RANGE:	VIS-NIR-SWIR
FOCAL LENGTH:	100 MM
FIELD OF VIEW:	5.5° (H) X 4.4° (V)
DIGITAL ZOOM:	1X, 2X, 4X
F-NUMBER:	1.5
FOCUS:	AUTO FOCUS
MAGNIFICATION:	UNITY
DETECTION/RECOGNITION:	3.8/1.2 KM (HUMAN TARGET), 5.1 / 1.6 KM (NATO TARGET)
INTEGRATED LASER DIODE MODULE	
WAVELENGTH:	1550 NM
MAXIMUM OPTICAL POWER:	ADJUSTABLE UP TO 1.5 W
BEAM DIVERGENCE:	ADJUSTABLE FROM 10-30 MRAD TO >70 MRAD
WORKING DISTANCE:	UP TO 3 KM
BORE-SIGHT:	ADJUSTABLE VERTICAL AND HORIZONTAL LASER BORESIGHT OVER FULL FOV OF CAMERA
LASER SAFETY CLASS:	CLASS 4 (IEC 60825-1:2014)
NOHD:	61 M
SAFETY:	INTERLOCK PLUG

ELECTRICAL PROPERTIES

POWER SUPPLY:	12-24 VDC (EXTERNAL), 8 X CR123A BATTERIES (INTERNAL)
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MECHANICAL PROPERTIES

DIMENSIONS:	APPROX. 260 X 110 X 120 MM
WEIGHT:	<2.3 KG
MOUNTING INTERFACE:	PICATINNY RAIL (MIL-STD-1913)
CONNECTORS:	PAL VIDEO OUTPUT; EXTERNAL POWER SUPPLY; REMOTE CONTROL; MICRO SD SLOT

ENVIRONMENTAL PROPERTIES

IP RATING:	MANUFACTURED TO IP68 (IMMERSION 1 M 2 H)
OPERATING TEMPERATURE:	-35° C TO +50° C
STORAGE TEMPERATURE:	-40° C TO +60° C