

LW75-MG LWIR THERMAL WEAPON SIGHT



BROLIS®

The BROLIS LW75-MG is rugged uncooled thermal sight providing explicit day/night imagery through various obscurants like dust, smoke, haze, fog and others. Thermal sight is designed and dedicated to be used as a stand-alone thermal aiming device for rapid target acquisition and engagement. The sight has few different reticles based on calibers of firearms (5.56×45 mm, 7.62×51 mm, 12.7×99 mm) and special reticle for reconnaissance and observation tasks. The LW75-MG incorporates the latest uncooled VOx microbolometer sensor technology providing unmatched sensitivity of the system. The LW75-MG is equipped with an analog video-out capability. The BROLIS LW75-MG is easy to use, accepts standard AA batteries or external power source, has full metal aluminum alloy 7075 (aerospacegrade) housing and is protected by superior wear and corrosion resistant, chemically stable coating. The LW75-MG comes with a one year warranty.

Standard Accessories: Ocular flip cap, Operator's manual, Hand strap, Mount adjustment screwdriver, Microfiber cloth, Shuttered eyeguard, Lens cleaning tool, Analog video output cable, External power cable, 3 AA batteries, Remote control pad, and Soft pouch.

SYSTEM SPECIFICATIONS

NSN:	5855-47-001-0614
SENSOR:	640X480 17μM VOX MICROBOLOMETER
SPECTRAL RANGE:	8-12 μM (LWIR)
FIELD OF VIEW:	8.30° (H) X 6.23° (V)
FOCAL LENGTH:	75 MM
FOCUS:	MANUAL
F-NUMBER:	1.2
SENSOR SENSITIVITY:	<35MK @ F/1.0
OPTICAL MAGNIFICATION:	~2.8
FOV (EYEPIECE):	23.2° (H) X 17.5° (V)
DIOPTERS:	-4 / +2
EYE RELIEF:	~50 MM
EYE BOX:	~8 MM
DIGITAL ZOOM:	1X, 2X, 4X
DETECTION / RECOGNITION:	2.5 / 0.7 KM (HUMAN TARGET) 3.3 / 1 KM (NATO TARGET)

ELECTRICAL PROPERTIES

INTERNAL POWER SUPPLY:	3 X AA BATTERY
RUN TIME:	>4 H

MECHANICAL PROPERTIES

DIMENSIONS (MAX):	191 LENGTH X 76 WIDTH X 96 HEIGHT MM
WEIGHT (W/O BATTERIES):	~895 G (WITHOUT COLLIMATOR CAP)
MOUNTING INTERFACE:	MIL-STD-1913 RAIL (PICATINNY RAIL) / NATO STANAG 4694
CONNECTORS:	CVBS ANALOG VIDEO OUT, REMOTE CONTROL PAD

ENVIRONMENTAL PROPERTIES

OPERATIONAL TEMPERATURE:	-40 °C TO +50 °C
STORAGE TEMPERATURE:	-50 °C TO +72 °C
IP RATING:	MANUFACTURED TO IP68