HTR-5G THERMAL AIMING SIGHT

BROLIS®

The BROLIS HTR-5G represents the next generation in rugged, uncooled thermal weapon sights, building upon the success of the battle-proven LW75MG by BROLIS. Utilizing the advanced BROLIS thermal core, the HTR-SG maintains ultra-high sensitivity and DRI (Detection, Recognition, Identification) performance while offering a 30% improvement in Size, Weight, and Power (SWAP) with additional functionality. This system is engineered as stand-alone aiming sight but can also function as a portable reconnaissance system. Offering versatility, the HTR-5G accommodates multiple power options, including internal AA batteries, external 12 V, or 5 V USB power banks. Users have the flexibility of recording video onto an SD card and can choose between analog or UVC digital video outputs via USB-C connector. Furthermore, the HTR-5G integrates advanced sensorics, featuring eCompass, inclination, and level sensors for enhanced situational awareness.

SYSTEM SPECIFICATIONS

DETECTOR:	640X480 12µM VOX MICROBOLOMETER
SPECTRAL RANGE:	7-14 µM (LWIR)
FIELD OF VIEW:	8° (H) X 6° (V)
DETECTOR NETD	<40 MK*
FRAME RATE:	60 HZ
CALIBRATION:	AUTO / SEMI-AUTO / MANUAL
MAGNIFICATION:	≥2.5
DIGITAL ZOOM:	1X, 2X, 4X
DETECTION / RECOGNITION:	>3.5 / 1.2 KM (HUMAN TARGET)** >5 / 1.6 KM (NATO TARGET)**

*Customized, lower NETDs available
**Per STANAG 4347: good transmission; detection - 1 LP; recognition - 3 LPs

ELECTRICAL PROPERTIES

INTERNAL POWER SUPPLY:	3 X AA BATTERY
RUN TIME:	>4 H (USING LITHIUM AA BATTERIES AT RT)
EXTERNAL POWER SUPPLY:	12-24 V
EXTERNAL POWER SUPPLY (USB):	5 V (USB-C)
INTERNAL SENSORS:	ECOMPASS, LEVEL AND INCLINATION
MEMORY INTERFACE:	SD CARD FOR VIDEO CAPTURE

MECHANICAL PROPERTIES

DIMENSIONS (MAX):	180 L X 70 W X 80 H MM
WEIGHT:	<700 G (WITH ACCESSORIES AND BATTERIES)***
MOUNTING INTERFACE:	MIL-STD-1913 RAIL (PICATINNY RAIL)/NATO STANAG 4694
CONNECTORS:	ANALOG VIDEO OUTPUT, REMOTE CONTROL PAD/EXTERNAL POWER, USB-C POWER AND VIDEO OUTPUT, SD CARD SLOT

***Product weights may vary due to manufacturing and configuration processes.

ENVIRONMENTAL PROPERTIES

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