



IDENTIFICATION DATA

Type	LW75
Reference number	LW75-U
NSN	5855-47-000-8763

DESCRIPTION

The LW75 is rugged uncooled thermal weapon sight providing clear day/night Imagery through various obscurants like dust, smoke, haze, fog and many others. The LW75 incorporates in itself the latest uncooled VOx microbolometer sensor technology providing unmatched sensitivity of the system. The LW75 is designed to interface with day scopes but also can be used as a portable reconnaissance system. The LW75 has the ability to record videos with optional Digital Video Recorder and is also equipped with a video-out capability. The LW75 is easy to use, accepts standard AA batteries, has full metal aircraft grade aluminium housing and is protected by superior wear and corrosion resistant, chemically stable ceramic coating.



Custom colors available:

Flat Dark Earth OD green Cobalt White Graphite Black

OPTICAL SPECIFICATIONS

Sensor	640x480 17 μ Microbolometer	
Spectral range	μ m	8-12 (LWIR)
Field of view	8,30° (H) X 6,23° (V)	
Focal length	mm	75
Focus	Manual	
F-Number	1,2	
Sensor sensitivity	mK	<35mK@F/1,0
Digital zoom	1x, 2x, 4x	
Magnification	Unity	
Human target detection / recognition	km	2,5 / 0,7
NATO target detection / recognition	km	3,3 / 1

POWER SUPPLY

Internal	AA batteries	3
Run time	h	>4

ENVIRONMENTAL

IP Rating	Manufactured to IP68	
Operating temperature	-40°C to +50°C	
Storage temperature	-40°C to +72°C	

DIMENSIONS, CONNECTORS, WEIGHT & MOUNTING

Length x Width x Height	196 x 75 x 94 mm	
Mounting system	Picatinny Rail (MIL-STD-1913)	
Weight (without batteries)	800 g	
Connectors	CVBS Analog Video Out; Remote Control Pad.	

FOR ENQUIRIES

Brolis Photonics Solutions Ltd.
Willowbank Business Park,
Larne, County Antrim, BT40 2SF
Northern Ireland

Phone +44 7548 880693
info@b-photonics.com
www.b-photonics.com

THERMAL SIGHT
[LW75]

