

LAS 1000

SNIPER DETECTION SYSTEM



Display

The LAS 1000 detects snipers and other forward observers before they fire a shot. While most sniper detection systems are acoustic and help operators respond to a threat after it has already inflicted damage, the LAS 1000 functions on optical principles and can therefore pinpoint the location of a threat before it has a chance to act. This system is ideal for border and perimeter security as well as VIP protection details.

The LAS 1000 detects lenses and reflectors in its line of site even if these objects are covered behind bushes, windows or windshields. The device can be handheld or mounted on a tripod and when an optical reflector of any kind is detected, its position is marked in field of view. For added situational awareness, an audio signal can also be set to automatically activate upon the detection of a threat. The LAS 1000 can reliably detect snipers and other optical equipment in a variety of tactical situations.

Optical parameters:	LAS 1000
Objective lens focal distance, mm	50 / F2.0
CCD resolution, pixels	CCD, 752x582
Minimal illumination, lux	0.005
Video output refresh rate, Hz	50
Field of view, degrees	5.2x4
Magnification	7x
Display resolution, pixels	800 x 600 OLED SVGA
Diopter adjustment of the eyepiece	± 4
Detection parameters:	
Maximum detection range, 4x30 weapon sight (m)	1,000
Minimum detection distance of the optical objects, m	70
Distance measuring accuracy, m	10
Angular size of the detection zone, degrees or mils	1.8° / 32 mils (V) x 0.03° / 0.5mils (H)
Maximum horizontal scanning speed, degrees/sec	30
Compass:	
Measured azimuth range	360°
Accuracy	±2.0° RMS at level
Inclinometer:	
Measured elevation range	±90°
Accuracy	±1.0° RMS (within ±80°)

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Capabilities	
Target global position calculation	Yes
Global position sensor	GPS
Electrical parameters:	
Voltage range	6-12VDC
External power supply voltage	{12-16VDC optional}
Power supply	2x 18650 or 4x CR123
Battery life continuous operation, min, hours	5
Video output	
Type	PAL or NTSC
Environmental parameters:	
Tripod mount	Present, 1/4"
Dimensions, mm	142x170x70
Weight, g	1,200
Operating temperature range (°C)	-20 to +45
Storage temperature range (°C)	-40 to +65
Relative humidity	≤ 98 % under + 25°
Waterproofing	IP65

DELIVERY SET

Supplied with the following standard and optional accessories:

- Soft carrying case
- Neck and wrist strap
- Batteries (2 x 18650)
- Lens cleaning cloth
- SD Card (8gb)
- Li-Ion battery charge
- Eyepiece cover
- Video output cable
- Car power adapter
- Operation manual

OPTIONAL ACCESSORIES



Optional Tripod



Optional Hard Case



Delivery Set