

Protector

Technical Specification Sheet



Features

Detect

- Low light cameras
- Thermal imager
- High zoom colour camera

Communicate

- Acoustic hailing device

Deter

- Laser disruptor
- Laser pointer/illuminator
- Dual strobing searchlights

Protector comprises

Gyro stabilisation

Radar interface

Video processing

Joystick or TCP/IP interface

Protector

High performance acoustic laser & optronic system



Protector

Technical Specification Sheet

Platform

Material	Carbon fibre
Dimensions	650mm w x 280mm d x 700mm h
Weight	30kg
Environmental rating	IP69, dry nitrogen purged
Operating temperature	-20°cto +60°c
Power consumption	0.5Amps @230V AC/ 2Amps @24V DC
Azimuth	+/- 185
Slew rate	Infinitely variable
Stabilisation	Gyro stabilised

Acoustic hailing device

Communications range	Speech transmission at 200+metres maximum range 1500+ metres in a benign environment
Frequency range	141dB at 1 metre
Acoustic "beam" width	+/-15 @ 1kHz / -3dB

Laser disrupter/pointer/illuminator

Output power (visible)	250mW
Wavelength	532nm (green)
Visible beam width	29
Effective range (hail & warning)	300m day / 4km night

Searchlights

Range	3,500m
Range of infrared light @ 850nm	1,400m

Thermal imaging camera

Image sensor 3	384 x 288 amorphous silicon microbolometer
Lens size	23mm
Field of view	25 to 19

High zoom colour camera

Image sensor	1/4" super HAD CCD
Resolution	752 (H) x 582 (V)
Field of view wide	42 x 32
Field of view narrow	1.6 x 1.2
Zoom - optical	26 x
Zoom - digital	312 x
Minimum illumination	0.7 lux
S/N ratio	50 dB

Ultra low light camera

Image sensor	1/3" monochrome CCD
Resolution	470 TV lines
Field of view	36 x 27
Minimum illumination	0.00015

System control

Joystick controller
Analogue military force joystick control
Bias rate control



Specifications subject to change without notice.

Vector Developments Ltd.
T: +44(0)1929 554709
T/F: +44(0)1929 554719
sales@seenite.com
www.seenite.com