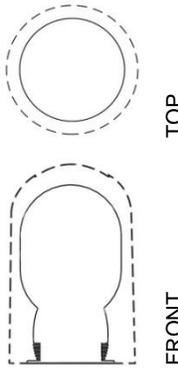


# Technical Specification Comparison Table Vector Developments Ltd 2013 Seenite mini vs Competitor System

Model	Seenite mini SNM60	Competitor System	Why choose Seenite mini:
<b>Laser Designator</b>	10mW Green Laser	none	<ul style="list-style-type: none"> <li>Laser pointer enhances the system's capability and value</li> <li>Laser is used to engage targets and visibly point out their location to deck crew or other vessels</li> <li>Seenite becomes an active system rather than a passive detection device</li> </ul>
<b>Thermal Imager</b>			
Range to Detect Man	2.3km	1.2km	<ul style="list-style-type: none"> <li>Seenite mini achieves longer detection ranges through use of a larger lens with longer focal length</li> <li>Un-restricted full frame rate video</li> <li>Clear imaging of moving targets at over 5km</li> <li>Seenite mini uses sensor cores manufactured in Europe, performance of sensor is not restricted by US export laws</li> <li>Seenite only uses full frame rate thermal sensors</li> </ul>
Range to Detect Small Vessel	5.4km	3.9km	
Focal Length	60mm	45mm	
Frame Rate	50hz no ITAR restrictions	9hz or 30hz, restricted by US export laws	
Field of View	10.4 x 7.8	18 x 14	
Sensor Size	640x480	640x480	
Digital Zoom	x2 & x4	x2 & x4	
<b>Day/Night Imager</b>			
Sensor Type	Day/Night Low Light CCD	not specified	<ul style="list-style-type: none"> <li>Powerful x36 optical zoom and ultra low light performance for best in class target recognition and low light performance</li> <li>Day/night camera automatically switches over to detecting near infra-red light once light levels drop</li> </ul>
Minimum Illumination	0.01lux	1.4lux	
Optical Zoom	x36	x10	
Resolution	530	530	
<b>Platform</b>			
Installation	Upright or inverted (ball up or ball down)	Ball up only	<ul style="list-style-type: none"> <li>Seenite mini can be mounted either upright or inverted</li> </ul>
Material	Carbon Fibre	not specified	<ul style="list-style-type: none"> <li>Seenite mini is the smallest maritime gyro stabilised thermal imaging system in the world; 20% smaller than competitor system</li> <li>Manufactured using innovative Carbon Fibre moulding processes</li> <li>Each system is custom finished to customer requirement</li> </ul>  <p style="text-align: center;">— Seenite mini    - - - competitor system</p>
Finish	AWLGRIP (Customer Specified)	not specified	
Size	ø150mm x H230mm	ø178mm x H289.5mm	
Weight	~5kg	~5kg	
Stabilisation	2 Axis Gyro-stabilised	2 Axis Gyro-stabilised	
Sealing	IP68	IPX6	
<ul style="list-style-type: none"> <li>All Seenite platforms are sealed to IP68 and dry nitrogen purged</li> <li>IP69 is defined as dust tight and completely immersable, whilst IPx6 is defined as exposure to high pressure water jet from 3 metres</li> <li>For deck side equipment it is important to ensure long term prevention of internal condensation which often occurs due to vapour transfer across seals. For this reason all Seenite platforms feature double o'ring seals</li> <li>Radial seals are used throughout to ensure even seal pressure</li> </ul>			
<b>System</b>			
Video Recording	GPS, Time, Date stamped recorder	none	<ul style="list-style-type: none"> <li>Integrated recorder ensures any incidents are recorded</li> <li>GPS, time and date overlay</li> </ul>
Cabling	Single Cable; Multi-core or Fibre	Power, Video, Video and Ethernet	<ul style="list-style-type: none"> <li>Reduce installation costs with fibre interface for connections to the vessel's fibre network</li> </ul>
Joystick	Multi Axis, Ergonomic Joystick Controller	PUC <i>sic</i> Joystick & Button Array	<ul style="list-style-type: none"> <li>There is no substitute for a full palm grip joystick controller. When everything around you is moving you need to retain optimum control</li> </ul>
Interface	Onvif IP Interface (option)	SeaTalk <sup>hs</sup>	<ul style="list-style-type: none"> <li>Open interface for installation of the the platform with integrated bridges or on-board security systems</li> <li>Custom interface enables the installer to specify which systems they wish to control the platform</li> </ul>
	Pelco P (option)		
	Custom Protocol Converter (option)		
<b>Cost</b>			
	£27,590	£27,595	<ul style="list-style-type: none"> <li>An investment into leading technology</li> </ul>

Specification is subject to variation.