

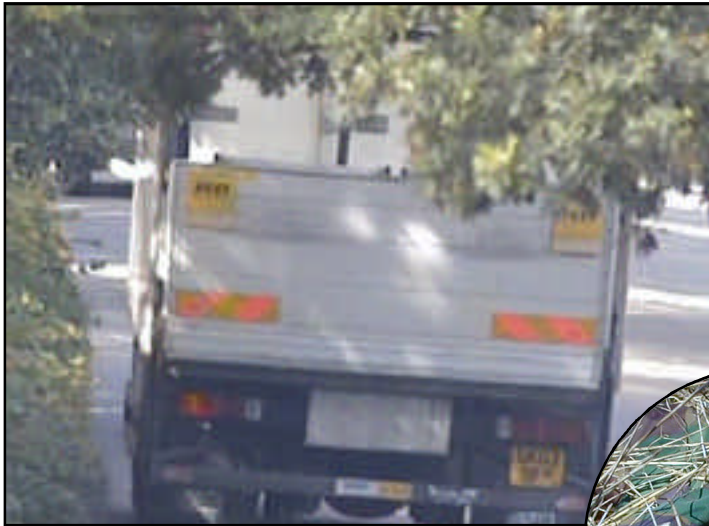


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Defence & Security Products Division

PROMS

Portable Rapid deployment Observation
and Monitoring System



PROMS @ 10KM 240X MAG
EV9



PROMS @ 400M 240X MAG
Image Stabilised

PROMS

Portable Rapid deployment Observation and Monitoring System

Capability

- Colour video display up to 711x magnification
- Optional night vision image intensified video up to 519x magnification
- Optional naked eye night vision image intensified observation up to 253x magnification
- All equipment is self contained within its own webbing back pack.
- Rapid deployable – Man portable
- Long Range High Magnification.
- Provides extra security and stand off for Operators.
- Able to monitor and record target information away from sensor platform

Technical Specification

	FoV Degrees*	FoV mils*	Zoom Magnification*
Colour Camera			
Ultra low zoom range	1.37 to 0.47	24.33 to 8.37	29x to 86x
Low zoom range	0.95 to 0.32	16.88 to 5.74	40x to 120x
Medium zoom range	0.47 to 0.16	8.44 to 2.87	80x to 240x
High zoom range	0.17 to 0.06	2.94 to 1.00	240x to 720x
II Camera			
Ultra low zoom range	0.92 to 0.32	16.30 to 5.61	29x to 86x
Low zoom range	0.64 to 0.22	11.31 to 3.85	40x to 120x
Medium zoom range	0.32 to 0.11	5.65 to 1.92	80x to 240x
High zoom range	0.11 to 0.04	1.92 to 0.67	240x to 720x
II Scope			
Ultra low zoom range	0.46 to 0.16	8.15 to 2.80	29x to 86x
Low zoom range	0.32 to 0.11	5.65 to 1.92	40x to 120x
Medium zoom range	0.16 to 0.05	2.83 to 0.96	80x to 240x
High zoom range	0.06 to 0.02	0.98 to 0.34	240x to 720x
* $\pm 5\%$ Nominal Values			

Useage

The Portable Rapid deployment Observation Monitoring System (PROMS) is designed to cater for all static urban and rural surveillance operations. PROMS provides ultra long range Surveillance Target Acquisition using its combination of day or night sensor technology providing much higher times magnification than normal spotting scopes in service today.

PROMS is man portable and can be rapidly deployed within a few minutes. With its unique remote monitoring system, surveillance operators are able to monitor and record information observed from the target area well away from where the sensor platform is deployed. This allows operators to work in complete safety and allows the use of multiple observers without compromising the position of the sensor platform.





PROMS standard day use version



PROMS in night vision mode showing also finder scope



PROMS with optional PNP Night Scope Module for naked eye image intensified operation



Close up of fine/coarse tripod adjustment



Rugged waterproof 6.4" LCD monitor with sunshade



4 x 20 Finder Scope with cross hair mounted on Picatinny rail (rail fitted to both sides of PROMS).

Operation

Simply find a location, set up the scope and applicable magnifier (high, medium or low), tripod, connect the battery and monitor and pictures will be relayed in live video to the waterproof LCD monitor base station up to 90 metres away. Use the coarse adjustment along with the finder scope to get close, then target precisely using the fine vertical and horizontal knobs. Further zooming or extra magnification is then available.

Available with microwave transmission as an option for the LCD monitor / sensor platform with distances up to 1Km (line of sight) and fibre optic transmission over several kilometres if required. Sensor platform quick releases from low profile tripod and attaches to any full size tripod fitted with world standard 1/4" UNC thread while maintaining full use of the special coarse / fine pan and tilt head.

PROMS

Portable Rapid deployment Observation and Monitoring System

Standard Specification

- Waterproof telescope system with fully coated optics 82mm Ø objective lens
- Ultra lightweight and rigid low profile tripod mounting with coarse and fine vernier pan/tilt control
- Digital high resolution waterproof colour low light CCD video camera.
- 4 x 20 Finder Scope mounted on rail for left or right side mounting.
- High resolution 6.4" TFT rugged waterproof monitor with sunshade.
- Camouflage cover for telescope and mount. (Black cover also available).
- Camouflage DPM protective case for all equipment and permanent installation of rechargeable 12v battery and monitor station. (Black case also available).
- Flexible cable from telescope to control station 10 metres and 90 metres (interconnecting 10 and 80m cable).
- Man portable, weighs 20Kg approx.
- High, Medium and Low zoom range user selectable magnifiers.

Camera

Digital colour high resolution low light
1/3" CCD detector
0.2 LUX
>480 TV lines
768 x 494 effective pixels
PAL output

System Autonomy

Rechargeable built-in 12v battery.
Useable charge 8-10 hours
depending upon temperature and
equipment used.

Additional built in battery capacity
available. Battery charger provided
and system can be powered from
external 12v DC supply.

Optional Extras

II Camera Optional Module

NIM Night Vision module using
Gen2+, XD-4, XR5 or XH72
image intensifier tubes.

II Night Scope Optional Module

PNP Night Vision Monocular using
Gen2+, XD-4, XR5 or XH72
image intensifier tubes.

Microwave and Fibre Optic Links

Available to special order

Ordering Information

820800	PROMS Portable Rapid Deployment Observation and Monitoring System Day Use Model.
820803	PROMS Portable Rapid Deployment Observation and Monitoring System. Day and Gen2+ Image Intensified Use Model.
820810	PROMS Portable Rapid Deployment Observation and Monitoring System Day and XD-4 Image Intensified Use Model.
820806	PROMS Portable Rapid Deployment Observation and Monitoring System. Day and XR5 Image Intensified Use Model.
820807	PROMS Portable Rapid Deployment Observation and Monitoring System Day and XH72 Image Intensified Use Model.

Accessories for PROMS

820800-01A	Universal Mains Power Adaptor for PROMS (ec 3 pole input not supplied)
820800-01U	Mains Power Adaptor for PROMS, UK only
820800-01E	Mains Power Adaptor for PROMS, EU only
560-007XXX	PNP-M Night Vision Monocular (see models available)
589-100XXX	PNG-M Night Vision Goggles (see models available)
820800-02A	Electronic Image Stabilisation Unit, including cabling to fit PROMS
820800-19	EV9 Image Enhancer, including PROMS cable assembly
820800-03	Additional Battery in black or green DPM pouch
820800-05	Wheeled protective case to hold PROMS system in backpack
820800-06	Wheeled hard PROMS case, including foam cut outs (to replace black or camouflage backpack)
820800-21	Ultra low magnification lens (in addition to PROMS standard specification, nominal 29-86x, FOV (Day) 24.33-8.37 Mils
820800-11	Low magnification lens (included in PROMS standard specification). nominal 40-120x, FOV (Day) 16.88-5.74 Mils
820800-08	Medium magnification lens (included in PROMS standard specification). nominal 80-240x, FOV (Day) 8.44-2.87 Mils
820800-07	High magnification lens (included in PROMS standard specification). nominal 240-720x, FOV (Day) 2.94-1.00 Mils
820800-12	Vehicle adaptor for PROMS, operates PROMS from 12v cigarette lighter socket
820800-14	PROMS video - USB port device device and cable for recording direct to PC/laptop
820800-16	Low light waterproof Monochrome camera for PROMS
820800-17	Full height tripod for PROMS

Visit our website on www.pyser-sgi.com for further information on the complete range of products available from Pyser-SGI Limited.



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