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## Defence & Security Products Division

# PROMS 2

### Portable Rapid deployment Observation and Monitoring System

- 720x Optical Zoom Magnification
- Facial ID up to 3Km
- Electronic Image Stabilisation
- Electronic Video Enhancement
- SD card DVR



# PROMS 2

## Portable Rapid deployment Observation and Monitoring System

### Capability

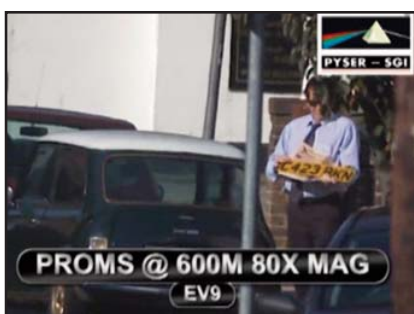
- Colour video display 80x to 720x optical zoom magnification, facial recognition to 3km
- 100% continuous optical zoom in two ranges 80x to 240x and 240x to 720x
- Video out for recording and radio transmission
- Monitor deployable up to 90m from sensor platform for secure stand-off
- SD card DVR. DVR will record with case fully closed and monitor off.
- Rapid deployable – Man portable – in camo or black webbing backpack
- Additional optional zoom ranges 29x to 86x and 40x to 120x
- Optional zoom image intensified night vision on screen (to 540x) or naked eye use (to 240X).
- Image enhancement and electronic image stabilisation as standard
- USB output as standard for direct connection to PC/Laptop. (Software supplied)

	FoV Degrees*	FoV mils*	Zoom Magnification*
<b>Colour Camera</b>			
Ultra low zoom range	(O) 1.3 to 0.4	27 to 9	29x to 86x
Low zoom range	(O) 1.0 to 0.3	18 to 6	40x to 120x
Medium zoom range	(I) 0.5 to 0.2	9 to 3	80x to 240x
High zoom range	(I) 0.17 to 0.06	3 to 1	240x to 720x
<b>II Camera</b>			
Ultra low zoom range	(O) 1.7 to 0.6	30 to 10	23x to 65x
Low zoom range	(O) 1.3 to 0.4	24 to 8	30x to 90x
Medium zoom range	(I) 0.7 to 0.2	12 to 4	60x to 180x
High zoom range	(I) 0.2 to 0.08	4 to 1.4	180x to 540x
<b>II Scope</b>			
Ultra low zoom range	(O) 4.2 to 1.4	75 to 25	9x to 30x
Low zoom range	(O) 3.1 to 1.0	55 to 19	15x to 45x
Medium zoom range	(I) 1.5 to 0.5	27 to 9	28x to 80x
High zoom range	(I) 0.5 to 0.2	9 to 3	80x to 240x
* Nominal approximate values for indication purposes only			
I = Included in Proms Standard Specification    O = Optional additional secondary optical modules			

### Useage

The Portable Rapid deployment Observation Monitoring System (PROMS 2) is designed to cater for all static urban and rural surveillance operations. PROMS 2 provides ultra long range Surveillance Target Acquisition using its combination of day or optional night sensor technology providing much higher times magnification than normal spotting scopes in service today.

PROMS 2 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 or the operator.







PROMS 2 with optional PNP-M Night Scope Module for naked eye image intensified operation



PROMS 2 in night vision mode using NIM Night Intensification Module



4 x 20 Finder Scope with cross hair mounted on rail (rail fitted to both sides of PROMS 2).



Close up of fine/coarse vernier pan/tilt adjustment



Rear connectors, Video in/out, USB out, battery charger and connection to PROMS 2 camera

## Operation

Simply find a location, set up the primary optical module and the selected secondary optical module (high mag, medium mag or optional low or ultra low mags), connect control station and pictures will be relayed in live video to the LCD up to 90 metres away. Cables are supplied as standard for stand-offs of 10m, 80m and 90m. Use the coarse adjustment along with the finder scope to get on target, then target precisely using the fine vertical and horizontal micrometric knobs. 100% optical zooming and precise focussing are then available by simple manual controls.

Sensor platform quick releases from the low profile sniper type tripod and attaches to any full size tripod fitted with world standard 1/4" UNC thread while maintaining full use of the special coarse / ultra fine adjustment pan and tilt head.

The control station incorporates simple, user friendly controls operating on/off, electronic image enhancement of full screen and windows selection for zone enhancement, electronic image stabilisation to eliminate vibration and DVR recorder on/off/replay.

## Standard Specification (Day model. Day/Night model is identical but includes NIM image intensification module)

- Waterproof optical system with fully coated optics 82mm Ø objective lens
- Two secondary optical modules- high and medium magnification zoom ranges
- 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, 1/3" CCD detector 0.02 Lux >540 TV lines 795 x 596 effective pixels PAL output
- 4 x 20 Finder Scope mounted on rail for left and right side mounting.
- Camouflage cover for telescope and mount. (Black cover also available).
- Camouflage DPM protective back pack for all equipment. (Black back pack also available).
- Flexible cable from telescope to control station 10 metres and 90 metres (interconnecting 10 and 80m cables).
- Rechargeable Lithium 12v battery. Useable charge 8-10 hours depending upon temperature and equipment used.
- Two battery chargers – mains 220-240v and also 12v from vehicle cigarette lighter
- Man portable.
- Control station incorporates 8" LCD colour monitor, real time electronic stabilisation, real time video enhancement and SD card DVR.
- Supplied with quick release 32GB SD card as standard, giving up to 29 hours recording time.
- Battery level indicator.

# PROMS 2

## Portable Rapid deployment Observation and Monitoring System

### Key Optional Extras ( See complete list in table below )

PROMS 2 is already equipped as standard to accept all accessories as retro-fits with no modifications necessary

**Night Vision on screen** NIM Night Vision module using \*\*FC, HD\*, XD-4\*, XR5\* and XR5A\* autogated image intensifier tubes. This module retrospectively converts Day Use PROMS 2 to Day/Night version. See NIM technical leaflet for full details

**Naked Eye Night Vision** PNP-M Night Vision Monocular or PNG-M night vision goggle using FC, HD\*, XD-4\*, XR5\* and XR5A\* autogated image intensifier tubes. See PNP-M and PNG-M technical leaflets for full details

**Radio video transmission TX/RX modules** Available to special order

**Wide and Ultra Wide Angle video** Two secondary optional modules are available giving lower magnifications ( wider angles of view) Stowage cut-outs already provided in standard PROMS 2 backpack for these.

**Mains voltage and external 12v operation** Mains transformer rectifier and 12v lead/plugset available to power PROMS 2 and it's accessories without using its battery– see table below

\*\*Now available with tubes including FC (export licence exempt\*\*) as well as standard licence HD High Definition, XD-4 and XR5. XD-4 and XR5 models can also be supplied with Auto Gating and FC, HD, XD-4 and XR5 are available with green or black and white tubes.

\*\*Does not require UK Export Licence but not available to countries on UN/EU/UK Embargo/Sanctions Lists.

### Ordering Information

830800	PROMS 2 day use model
830803	PROMS 2 day/night use model with FC image intensified night vision
830804*	PROMS 2 day/night use model with HD image intensified night vision
830810*	PROMS 2 day/night use model with XD-4 image intensified night vision
830806*	PROMS 2 day/night use model with XR5 image intensified night vision
830806A*	PROMS 2 day/night use model with XR5A (autogated) image intensified night vision
<b>Accessories</b>	
830800-01U	Mains Power Adaptor for PROMS 2, UK only (IEC cable supplied)
830800-01E	Mains Power Adaptor for PROMS 2, EU only (IEC cable supplied)
560-007XXX	PNP-M Night Vision Monocular (see models available)
589-100XXX	PNG-M Night Vision Goggles (see models available)
830800-05A	Wheeled hard PROMS 2 system in backpack
830800-06	Wheeled hard PROMS 2 case, including foam cut-outs ( to replace black or camouflage backpack)
820800-05A	Wheeled protective case to hold PROMS 2 system in backpack
820800-06	Wheeled hard PROMS 2 case, including foam cut-outs (to replace black or camouflage backpack)
820800-21	Ultra low secondary optical module (in addition to PROMS 2 standard specification), nominal 29-86x, FOV (Day) 22 - 9 Mils
820800-11	Low secondary optical module (in addition to PROMS 2 standard specification), nominal 40-120x, FOV (Day) 18 - 6 Mils
820800-08	Medium secondary optical module (included in PROMS 2 standard specification), nominal 80-240x, FOV (Day) 9 - 3 Mils
820800-07	High secondary optical module (included in PROMS 2 standard specification), nominal 240-720x, FOV (Day) 3 - 1 Mils
820800-12	Vehicle adaptor for PROMS 2, operates PROMS 2 from 12v cigarette lighter socket
820800-14	PROMS 2 video - USB port device and cable for recording direct to PC/laptop
820800-16	Low light waterproof monochrome camera for PROMS 2
820800-17	Full height tripod for PROMS 2

\*Export of this product from the UK is controlled under U.K. Export Licence Regulations. All goods are supplied under our standard conditions of trade.  
We reserve the right to amend design and specifications without prior notification

Visit our website on [www.pyser-sgi.com](http://www.pyser-sgi.com) for further information on the complete range of products available from Pyser-SGI Limited.



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