

## PYSER - SGI LIMITED Fircroft Way, Edenbridge, Kent, United Kingdom, TN8 6HA Telephone: +44 (0)1732 864111

Facsimilie: +44 (0)1732 865544 PYSER - SGI Email:sales@pyser-sgi.com www.pyser-sgi.com

# Defence & Security **Products Division**

# **DANOS** Day & Night Observation System

- Rapid Deployable Man Portable System
- Housed inside Ruggedised Airportable Boxes
- Sensors include Day, Night and Thermal Cameras Incorporating Image Fusion Technology
- Variable Speed Head with Motorised Zoom & Focus









# **DANOS**

# Day & Night Observation System

The DANOS surveillance observation unit which incorporates Image Fusion Technology as standard is designed to cater for all surveillance requirements in normal to extreme environmental conditions.

DANOS provides short, medium to long range Surveillance Target Acquisition using all 3 sensor technologies with the added benefit of incorporating Image Fusion. DANOS is capable of infinitely variable integration of two or three different sensor technologies at the same time. Remotely powered and supplied ready for use

### **Standard Specification**

Sensor Head: TIU2 thermal camera, 12°, 9° or 6° FOV Horizontally

Colour Daycam with 22x zoom lens, 21° to 1°.FOV Horizontally

NIC Hypergen or XD4 intensified camera with 22x zoom lens, 41° to 2° FOV Horizontally

Head support bracket, cabling, tripod and motorised pan/tilt.

Sensor outstation rechargeable battery pack in hard transit case, with 220-240/12v AC/DC converter.

Flexible cabling 20 metres (extendable) to/from control station.

MSMS 10.4" LCD display control station/rechargeable battery pack in hard transit case, including all camera, Image Fusion and pan/tilt controls.

220-240/12v AC/DC converter and 12v DC/DC converter. Image Fusion on any 2 cameras and on all three by simple controls

Full operating instructions and transit cases for the complete installation.

Operating temperature range -20°C to+50°C Environmentally tested to IP66

# Camera Options TIU2 thermal cameras

320x240 Hybrid ferroelectric uncooled staring focal plane array detector Spectral range 7 - 14 microns NETD .08 degrees C Polarity control black/white hot Gain automatic/selectable Focus motorised

	TIU2 75	
	75mm F1 lens	
-	Angle of view	12° horizontal
4		9° vertical
1	TIU2 100	
	100mm F1 lens	
	Angle of view	9° horizontal
		6.6° vertical
	TIU2 150	
	150mm F1 lens	
	Angle of view	6° horizontal
		4.4° vertical

### Night Vision Intensified Camera NIC

High resolution monochrome CCD, with 17mm-374mm long range zoom lens

#### 17mm-374mm Lens

Angle of view 41°-2° horizontal 30°-1.5° vertical

30°-1.5° ven

XR5, XH72, Gen2+, XD-4, or HyperGen Image Intensifier

### Day Camera DC

High resolution colour CCD camera complete with 17mm-374mm long range zoom lens

Angle of view 21°-1° horizontal

15°-0.75° vertical

## Pan/Tilt Positioner

Speeds (degrees/sec):

Pan 0-20°/sec continuously variable
Tilt 0-7°/sec continuously variable

Operational Angles (°) Nominal

Pan Tilt

 $360^{\circ}$  ± to be advised (depending on

camera configuration)

## **Ordering Information**

DANOS System of Standard Specification including:

- Gen 2+, XH72 and XR5 Image Intensified cameras available in place of HG/XD-4 specification.
- Radio telemetry and video transmission available to special order.

Backlash (mm) Less than 0.15





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



PYSER - SGI LIMITED
Fircroft Way,
Edenbridge, Kent,
United Kingdom, TN8 6HA
Telephone: +44 (0)1732 864111
Facsimilie: +44 (0)1732 865544
Email:sales@pyser-sgi.com

www.pyser-sgi.com

PYSER - SGI (ASIA) PTE LTD 65 Ubi Crescent, #06-01 Hola Centre, 408559 Singapore Telephone: +65 6749 7784 Facsimile: +65 6749 3992 Email:sales@pyser-sgi.com.sg www.pyser-sgi.com

