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Defence & Security Products Division

Mini Danos

Day & Night Observation System

- 3 Sensor Systems:
 - ◆ Thermal Camera
 - ◆ Day Colour Zoom Camera
 - ◆ Night Vision II Zoom Camera
- Rapid Deployable Man Portable and lightweight
- Housed inside a ruggedised, compartmented, airportable, wheeled box
- Motorised pan/tilt
- Rugged waterproof LCD monitor station



Mini DANOS is a high performance, low cost, man portable, very rapid deployment surveillance platform for short and medium range applications in field and urban situations.

Its three sensors, Thermal, colour zoom and image intensified night vision zoom, are all selected and controlled remotely by the operator from a simple, user friendly control box which also operates the pan/tilt head. The instantly selected camera video picture is displayed remotely on a rugged waterproof 6.4" high-resolution TFT LCD monitor with removable sunshade.

Autonomous power is supplied from rechargeable battery pack or from any 12 VDC supply.

Mini Danos

Technical Specifications

TIU2 Thermal Cameras

320x240 Hybrid ferroelectric uncooled staring focal plane array detector with composite PAL video output
Spectral range 7 - 14 microns, NETD .08 degrees C
Polarity control black/white hot, Gain automatic/selectable
Motorised focus, IP66 protected
Mini Danos is fitted with either:

TIU2 75 Camera

75mm F1 lens
Detection range 750m

Or

TIU2 100 Camera

100mm F1 lens
Detection range 1000m

Night Vision Image Intensified Camera

High resolution monochrome 1/2" CCD sensor
570 TV lines, Composite PAL output
F2.5 16x zoom ratio lens
10mm to 160mm focal length
Motorised zoom and focus
IP66 protected
Fitted with customer choice of Gen 2+, XD-4, HG, XR5 or XH72 image intensifier tubes

Day Colour Camera

High resolution 1/3" CCD colour sensor, 0.2 Lux
480 TV lines, Composite PAL output
F2.5 16x zoom ratio lens
10 to 160mm focal length
Motorised zoom and focus
IP66 protected

System Composition

Modular 3 sensor head comprising:

- ◆ Thermal Camera
- ◆ Image Intensified Camera
- ◆ Day Colour Camera

Motorised pan/tilt head
Rugged tripod
Control box
Rechargeable 12V battery in camo pouch
Battery charger
LCD monitor with camo sunshade
All interconnect cables
Olive drab wheeled airportable compartmented transit case

Nominal Horizontal Angles of View

(Vertical is 75% of horizontal)

	Degrees	MILS	Metres at 1000m
TIU2 75 Thermal Camera	12	213	213
TIU2 100 Thermal Camera	9	160	160
Night Vision II Camera (Max)	39.5	700	700
(Min)	2.5	45	45
Day Colour Camera (Max)	26.0	460	460
(Min)	1.6	29	29



Monitor Station

Rugged waterproof TFT LCD 6.4" monitor
Detachable sunshade
Composite PAL video input via BNC connector
Video output via BNC connector for onward microwave/fibre optic transmission or video recording

Ordering Information

Model	Thermal Camera	Intensifier Tube	Part No.
■ Mini DANOS	TIU2 75	Gen2+	825410
■ Mini DANOS	TIU2 75	HyperGen	825110
■ Mini DANOS	TIU2 75	XD-4	825510
■ Mini DANOS	TIU2 75	XR5	825210
■ Mini DANOS	TIU2 75	XH72	825310
■ Mini DANOS	TIU2 100	Gen2+	825405
■ Mini DANOS	TIU2 100	HyperGen	825105
■ Mini DANOS	TIU2 100	XD-4	825505
■ Mini DANOS	TIU2 100	XR5	825205
■ Mini DANOS	TIU2 100	XH72	825305

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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