



High Performance Infrared Surveillance System



APPLICATIONS

RECONNAISSANCE

HARBOUR PROTECTION

BORDER SECURITY

COASTAL SURVEILLANCE

TARGETING

FEATURES

Triple field of view system

Powerful daylight imaging (optional)

Programmable search pattern

Eye safe laser rangefinder option

Video motion detection software

Integrated pan/tilt with precise positioning and variable control

Configurations for portable, fixed or legacy installations

BENEFITS

Allows for fast situational awareness and target orientation with long range zoom

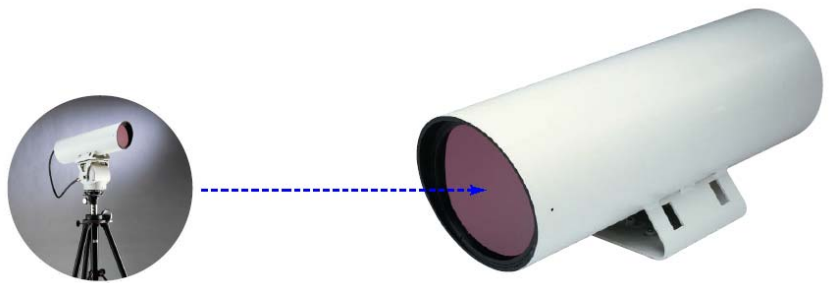
Enhances 24 hour operation with 26x/32x daylight color camera

Reduces operator workload

Provides repeatable position feedback and both fast and slow slew rates, critical for control at full zoom

Stand alone package allows for fast deployment with PC control or opt for a universal protocol converter for use in an existing network of fixed sensors





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THERMAL IMAGING PERFORMANCE

Sensor type	640 x 512 MCT FPA with K508 cooler
Number of fields of view	3
Wave band	Long wave
Wide FOV	25° x 18.7°
Medium FOV	11° x 8.2°
Narrow FOV	1.1° x 0.8°

PAN/TILT

Az range	> 270°
El range	> 10° up, 45° down
Slew rate	0.03 to 70° sec azimuth
LOS angular stabilization	better than 50 μ rad
Video output	NTSC or PAL video
Connector types	BNC, Firewire

POWER REQUIREMENTS

Power requirements	18-35 VDC
Power consumption	31 W (140 W with heater)

OUTPUT

Video	NTSC or PAL video
Connector types	BNC

ENVIRONMENT

IP rating	IP 65 IEC 529
Operating temp	-32° C to 55° C

DIMENSIONS, WEIGHTS AND MOUNTING

Dimensions	56cm L x 22.9 cm Dia (20" L x 9" Dia) including sun shield
Weight	9 kg (< 20lb. depending on options)
Mounting	1/4" -20 threaded base plate

INTERFACES

Command and Control	RS 232, 422, optional Ethernet connectivity
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