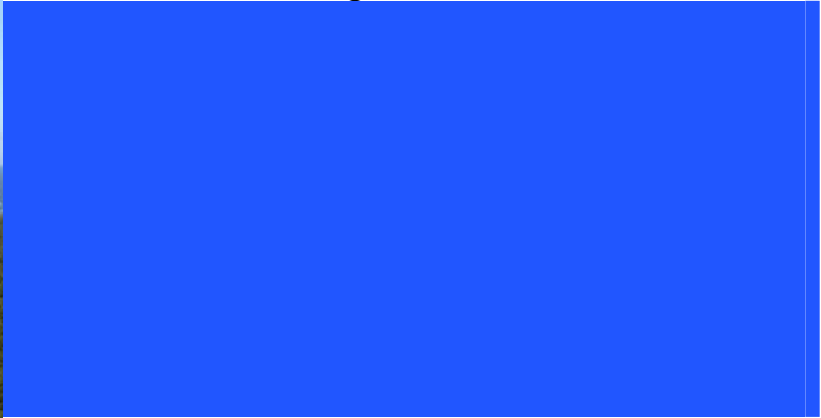




Long Range Thermal Surveillance System



APPLICATIONS

- FORWARD AREA LINE OF DEFENSE
- FORCE PROTECTION
- BORDER SECURITY
- COASTAL SURVEILLANCE

FEATURES

- 3 fields of view
- Auto-focus in IR
- Resists laser aggression weapons
- Portable and rugged
- Standard video outputs
- IP addressable
- Multiple remote control options
- Advanced image processing algorithms
- Payload ready

BENEFITS

- Get extreme long range detection in excess of 10 km and excellent image quality
- Ensure mission flexibility and effectiveness
- Provides fast situational awareness, with lens changes at a fraction of a second
- Reduces operator workload
- Ensures operation in hostile locations
- Fast set up in the field and mounts on common tripod
- Connects easily to legacy networks or a common monitor
- Supports a variety of outputs including jpeg stills, Real Time Player, or an optional 14bit digital firewire video
- Several advanced image enhancements, like Digital Detail Enhancement (DDE), assure clear, properly contrasted imagery even in scenes with hot targets and low contrast backgrounds where blooming can be a problem (battlefield conditions)
- Optional payloads include a color CCD-TV monitor camera and networking capability



Wide FOV



Medium FOV



Narrow FOV



Long Range Thermal Surveillance System



THERMAL IMAGING PERFORMANCE

Number of fields of view	3
Wide	25° x 19°
Middle	6° x 4.5°
Narrow	0.99° x 0.74°
IFoV Wide	1.37 mRad
IFoV Middle	0.33 mRad
IFoV Narrow	0.054 mRad
Min. Focus Distance	20 – 100 m
Thermal Sensitivity	0.03° C
Image Frequency	50/60 Hz
Electronic Zoom Function	Up to 4 times in real-time
Image Freeze	Yes

DETECTOR

Sensor Type	FPA 320 x 256 pixels
Spectral Range	3-5 µm
Cooling	Integrated Stirling
Start-up Time	<6 minutes

PAN/TILT SPECIFICATIONS

Az Range	n x 360°
EI Range	-40° to 40°
Slew Rate	0.03 to 70° /sec azimuth

IMAGE PRESENTATION

Video Output	RS170 EIA/NTSC or CCIR/PAL, composite and/or S-video
Presentation	2 Colour palettes / B&W or W&B selectable 14-bit digital serial link

POWER INPUT

Voltage	18-35 V DC
Power Consumption	20 watts

ENVIRONMENTAL SPECIFICATION

Mil-Spec	EMI/EMC 461D
Operating Temp	-32° to 55°
Relative Humidity	Up to 99% non-condensing

DIMENSIONS, WEIGHTS (PAYLOAD)

Dimensions	290(L) x 225(H) mm
Weight	2.2 kg

DIMENSIONS, WEIGHTS (MECHANICAL)

Dimensions	715(L) x 267(H) mm
Weight	14 kg

DIMENSIONS, WEIGHTS (CONTROL CONSOLE)

Dimensions	222 x 200 x 94 mm
Weight	1.2 kg

INTERFACE

Remote Control	RS 232, RS485 and Ethernet (USB optional)
Ext. Sync	

OPTIONS

Digital Image Stabilization	
Video Tracking	

AFTER-SALES SERVICE

Limited Spare Parts are required
 Supported by Global Network of Service and Training Centers
 Short Turn Around Time
 Low Total Operational Cost
 Spec ver. LRTSS_121208 System Specifications are subject to change.

