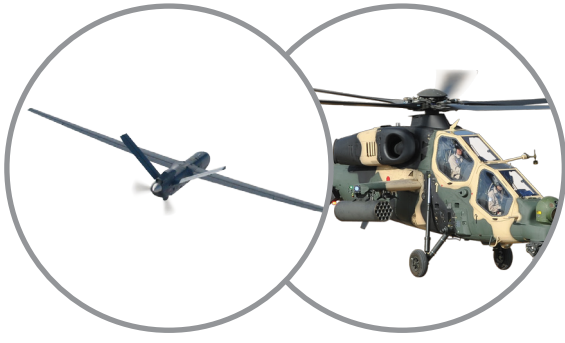


DASS

ELECTRO-OPTICAL RECONNAISSANCE
AND SURVEILLANCE SYSTEM

HIGH PERFORMANCE IR CAMERA
FULL HD DAY TV CAMERA
LASER DESIGNATOR
EYE-SAFE LASER RANGE FINDER
LASER POINTER
SINGLE LRU





DASS

ELECTRO-OPTICAL RECONNAISSANCE AND SURVEILLANCE SYSTEM

Applications

- Targeting Systems
- Manned / Unmanned Air Vehicles
- Border / Coast Security
- Long Range Detection, Recognition & Identification

Main Features

- High Performance Cooled IR Camera
- Full HD Color Day TV Camera
- Eye-Safe Laser Range Finder
- Laser Spot Tracker (Optional)
- SWIR Camera (Optional)
- Spotter Camera (Optional)
- Laser Target Designator (Optional)
- Laser Pointer & Illuminator (Optional)
- Low Light Camera (Optional)
- SWIR Illuminator (Optional)
- Compact and Lightweight Design
- Single LRU System
- Superior Range Performance
- Advanced Image Processing
- Multi Target Tracking
- Accurate Target Geo-Location
- Determination of Coarse and Speed of Moving Target
- Inertial Measurement Unit (IMU)
- Gyroscopic Stabilization

Technical Specifications

IR Camera	Sensor Resolution: 1024x768
	Wavelength: 3-5 μm (MWIR)
	Fields of View (FOVs) (Horizontal): 0.9° - 1.5° - 3° - 16°
HDTV Camera	Sensor Resolution: 1920 x 1080
	Fields of View (FOVs) (Horizontal): 0.9° - 1.5° - 3° - 16°
Laser Range Finder	Wavelength: 1540 nm
	Range: 20 km
Field of Regard (FOR)	Azimuth: 360° Continuous Elevation: +20° to -120°
Communication Interface	MIL-STD-1553B, RS-422
Video Interface	2 x SMPTE-292M HD-SDI (1920x 1080p) 1 x PAL
Power Interface	28 VDC
Size	Width: < 437 mm
	Height: < 520 mm
Weight	< 59 kg
Temperature	Operating : -40°C to +55°C
	Storage : -40°C to +70°C

Option 1 (Sensors 1a, 1b or 1c can be chosen)

Laser Spot Tracker (Option 1a)	Wavelength: 1064 nm
	Fields of View (FOV) (Horizontal): 3.0°
SWIR Camera (Option 1b)	Sensor Resolution: 640 x 512
	Wavelength: 0.9 - 1.7 μm (SWIR) Fields of View (FOVs) (Horizontal): 1.6° - 3° - 16°
Spotter Camera (Option 1c)	Sensor Resolution: 1920 x 1080 Fields of View (FOV) (Horizontal): 0.5°

Option 2 (Sensors 2a, 2b1+2b2 or 2c can be chosen)

Laser Designator (Option 2a)	Laser Type: Diode pumped ND:YAG
	Wavelength: 1064 nm
	Coding: STANAG 3733 Band I & II
Laser Pointer and Illuminator (Option 2b1)	Wavelength: NIR (Compatible with NVGs)
Low Light Camera (Option 2b2)	Sensor Resolution: 640x 480 Fields of View (FOVs) (Horizontal): 0.9° - 1.5° - 3° - 16°
SWIR Illuminator (Option 2c)	Wavelength: NIR (Compatible with SWIR Camera)