NEXT BIG MOVE TO TÜRKİYE SUPPLIERS CONTACT

ABOUT US INNOVATION <u>CAPABILITIES</u> CAREER INVESTOR RELATIONS

CATS- COMMON APERTURE TARGETING SYSTEM- Electro-Optical Reconnaissance, Surveillance and Targeting System System System Optical Reconnaissance, Surveillance and Targeting System
/ Capabilities / Electro Optic Systems / CATS- COMMON APERTURE TARGETING SYSTEM- Electro-Optical Reconnaissance, Surveillance and Targeting System

CATS is a high performance electro-optical reconnaissance, surveillance and targeting system designed for fixed-wing and rotary-wing airborne platforms, including Unmanned Air Systems (UASs), helicopters and aircrafts.

Applications

Targeting Reconnaissance and Surveillance Long Range Surveillance

Main Features

Common Aperture with Diameter of 220mm

Very Large Aperture for Narrow FOVs and

Very Narrow FOVs of IR, HDTV and LL-NIR

Cameras

Larger Aperture Means More Light and

Therefore Better Image Quality and Better

Range

Compact and Light-Weight System
Single-LRU System
Superior Range Performance
High Performance IR Camera
True Full High Definition (1920x1080) HDTV

Camera

No Digital Zooming Applied for

1920x1080p Video Output 2.25 Times More Sensor Pixels Used Than

High Definition (1280x720p) HDTV Cameras

Low Light (LL-NIR) Camera

Common FOVs for IR, HDTV and LL-NIR Cameras

Laser Range Finder and Target Designator

Laser Pointer and Illuminator

Internal Boresight Unit

All-Digital Video Pipeline

Advanced Image Processing

Multi Target Tracking

Simultaneous Target Tracking on IR, HDTV

and LL-NIR Videos



TR

Determination of Coarse and Speed of Moving Target Inertial Measurement Unit (IMU) Accurate Stabilization Automatic Alignment with Platform Operation in Very Low Temperatures in High Altitudes Technical Specifications TV: 1920x1080 LL-NIR: 640x480 Fields of View (FOVs) IR: 0.5° - 0.9° - 3.2° - 30° TV: 0.5° - 0.9° - 3.2° - 30° LL-NIR: 0.5° Field of Regard (FOR) Elevation: +10° to -105° Laser Range Finder and Target Designator Range: up to 25 km Wavelength: 1064 nm Repetition rate: up to 20 Hz Wavelength: NIR Wavelength: NIR Communication Interface RS-422, MIL-STD-1553B Video Interface 4x SMPTE-292M HD-SDI 2x PAL Power Interface 28 VDC Sensor Ball Diameter: ≤ 415 mm Width: ≤ 437 mm Height: ≤ 520 mm Weight 61kg Temperature

Operational: -54°C to +50°C

Storage: -55°C to +70°C

Note: All tolerances are within ±10%. Specifications may change without prior notice.

Other Products

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ELSAN A.Ş. is a Turkish Armed Forces Foundation company.

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