DANIS & DANIS-100

Day And Night Integrated System

- Remote controlled two axes Pan and Tilt Day and Night Observation System.
- Uncooled IR camera with Continuous Optical Zoom Lens.
- CCD with a Continuous Optical Zoom Lens.
- Built in electronic stabilization for FLIR and CCD.
- Wide FOV overall observation for detection with continuous zoom capability for identification of objects.
- May be used as part of a comprehensive security system, together with CEDAR & SPIDER surveillance systems.
- Easy integration with C4 Systems.
- Day and night perimeter security applications.
- Close range surveillance.
- Homeland Security.
- Perfect for observation up to 1000m (DANIS) and 2000m (DANIS-100).
- Optional Panoramic scanning with auto intruder detection (DANIS-100).
- Optional P&T Gyro Stabilization (DANIS-100).

DANIS

DANIS-100

Turning Vision into Reality

DANIS & DANIS-100

Day And Night Integrated System

DANIS & DANIS-100 are close range observation day and night camera systems for security applications.
The **DANIS & DANIS-100** are CONTROP's specially designed solutions for close ranges up to 1000m (DANIS) and 2000m (DANIS-100) observation applications.
The **DANIS & DANIS-100** consist of a remote controlled Pan and Tilt (P&T) gimbal enabling Line of Sight control in elevation and azimuth. the DANIS-100 has built in electronic stabilization for both FLIR and CCD cameras.
The **DANIS & DANIS-100** P&T consist of two cameras: (a) Thermal Imager uncooled IR camera with a unique Optical Zoom Lens to enable the operator to zoom-in and zoom-out and to choose the best FOV for the requirement. (b) Daytime color CCD TV camera with a powerful Continuous Zoom Lens The two cameras move together so that the operator may switch between the cameras when both of them are looking at the same object.
The **DANIS & DANIS-100** are operated by using a PC S/W and are easy to integrate with a C4 system.

Applications

- Installation Security (Airports, Power Plants, Fuel Storage Depots, Oil Refineries, Water Reservoirs, Armed Forces Facilities etc.).
- Border Surveillance (Smuggling, Illegal Immigration etc.).
- Perimeter Surveillance.
- Ground Troops Security.
- Military Bases/Port Security.
- Ships and vehicles.

Options

- Fixed FOV or Dual FOV (DANIS)
- Panoramic scanning with automatic intruder detection (DANIS-100).
- Two axes gyro stabilization (DANIS-100).
- Portable Control and Display Unit - Ruggedized.

Pan And Tilt System Characteristics

	DANIS	DANIS-100
Mechanical:		
	Two (2) Axes System	
Field of Regard:	Horizontal: n x 360° continuous Vertical: -85° to 85° (from horizon)	
Horizontal Angular Velocity:	up to 60 deg/sec.	
Vertical Angular Velocity:	up to 30 deg/sec.	
Weight:	10 kg	12 kg
Dimensions:	354 X 177 mm (D x H)	550 x 230 mm (D x H)
Relative angle reporting accuracy:	0.2°	
Angular repeatability:	2mRad² RMS	
Power Supply:	12 to 30 VDC	11 to 30 VDC
Video Out:	FLIR: RS 170 or CCIR DTV: NTSC or PAL	
Control:	Sensors, Pan & Tilt integrated via RS-422 communication, protocol (ICD will be provided) or local control using laptop computer.	
IR Camera		
Type:	8-12µm wave length Microbolometer Un-cooled Focal Plane Array (FPA)	
FPA:	384 x 288 pixels 25µ	640 x 480 pixels 17µ (optional 384 x 288)
Optics:	FOV 36° to 9° (optional 40° to 6.4°)	FOV 40° to 6.4°
Controls:	AGC, NUC, polarity, Manual Gain/Level, Zoom, Focus	Built in LOS stabilization
Daylight Channel	Daylight TV Camera High-resolution Color CCD sensor with a continuous optical zoom lens	
Resolution:	Horizontal 470 TV lines	Horizontal 550 TV lines
Lens:	x26 Optical Zoom	x36 Optical Zoom
Field of View:	Widest 42° Narrowest 1.6°	Widest 56° Narrowest 1.7°
Digital Zoom:	x12 (312 x with optical zoom)	
Sensitivity:	1.4 lux	Built in LOS stabilization
Environmental Conditions		
Environment Standard:	IP 66 compliant	
Temperature Range:	-10°C to +55°C	

CONTROP reserves the right to change specifications without prior notice.

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