ELiOS ESW-25/225 FHD *Continues Zoom*

ELiOS ESW-25/225, Eldor Integrated Observation System is a Dual Sensor, Continues zoom thermal camera, mid Range observation system providing real time awareness and reconnaissance for accurate target acquisition.

BORDER CONTROL

PERIMETER SECURITY

High sensitivity, long wave thermal imager sensor, detects vehicle targets at 15 Km in total darkness, dust and smoke.

CRITICAL ASSETS

SAFE CITY

Day time color Full HD 1080P camera with 20X zoom lens, provides quality images as video verification to thermal detection or as main daytime camera.

AIR / SEA PORTS

Accurate Pan & Tilt motor allows very slow to fast proportional motion.
It allows target tracking at long range at low speed or short range at high
Speed as automatic function of CCD zoom position, It also has assessment capability, tracking a target following radar or coordinates given at real time.

Thermal Channel, Detection & Recognition Distances:

Wide FOV 24.6°(H) X 18.4° (V)   *Narrow FOV 2.8°(H) X 2.1° (V)*

Detection of human target   : 4,600 Meter
Recognition of human target : 1,600 Meter

Detection of vehicle target   : 15,100 Meter
Recognition of vehicle target : 5,100 Meter

Distances defined above may vary due to atmospherically conditions

Thermal Imager	Day Camera (color/BW)	PAN / TILT unit	General
Sensor format : 640X480 17µ Spectral band: 8-14 µm NETD: <50° mK (f#1 optics) Cont zoom: W 25mm – T 225mm FOV (25mm): **24.6°(H) X 18.4° (V)** FOV (150mm): **2.8°(H) X 2.1° (V)** Focus control: motorized Black hot / white hot control	Sensor type: SONY FCB EH6300 1/2.8 Exmor CMOS 1080P Lens: 20X Optical / 12X Digital F=4.7.4 mm to 94 mm F1.6 to F4.5 Angle of view: 54.1° to 2.9° Focus control: Auto/ manual	PTU type: Elios-W series, Slip Ring. Azimuth range: >360° continuous Elevation range : -90° to +40° Minimum Pan speed : 0.05° sec Maximum Pan speed : 60° Sec Maximum load: 15 Kg.	Power: 24VDC Environment: IP65 Operating temp: -10° / +50° Ext range -20° / +55° Interface: RS485 / 422 / Pelco D Weight: 15 Kg Single / Dual video output.