

Autonomous Border Security System Powered by High Intensity Visible and Infrared Illumination

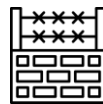


Highlights

- Artificial Intelligence Assisted Object Recognition
Group/single person recognition,
target tracking,
Vehicle, Truck Recognition and Tracking
Fire, Smoke, Gun recognition,
- Network Camera
1km daytime, 500 mt viewing ant night
46X, 2Mp Camera
1920X1080 Resolution
Day/Night Monitoring Possibility
- Control Computer
Defining Scanning Area Boundaries
Autonomous Area Scanning
Pan-tilt-zoom possibility
Control via Ethernet/Wifi
- Lighting
Area Scanning Illumination
Temporary Blinding Lighting
Infrared Illumination

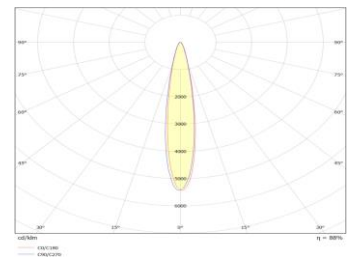


Military Zone

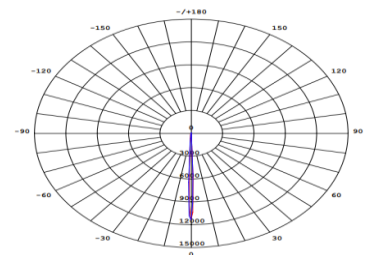


Border
Regions

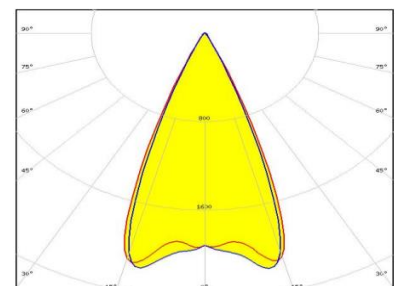
Optical Beam Angles



Wide Angle 25°



Blinding 3°



IR 8°

General Information

- Identifying and deterring real threat actors,
- Shortening the time between target detection and countermeasures,
- Reducing risks in border, coastal and infrastructure security, force protection and military operations,
- Preventing illegal crossings in border areas,
- Improving the efficiency of surveillance systems,
- Reducing the workload of security forces.

Autonomous Border Security System Powered by High Intensity Visible and Infrared Illumination

Technical Specifications

Mobility

Exit Angle	0-180°
PAN Rotation Angle	0°-180° Continuous
TILT Rotation Angle	-30° ~+30°
Focus	Yes.
> Range for 1 Lux	500mt

Electrical Information

Input Voltage	DC48V±10 %
Device Power Consumption (1 Light Source)	≤300W
Device Power Consumption (2 Light Sources)	≤500W
Device Power Consumption (3 Light Sources)	≤700W
Device Power Consumption (4 Light Sources)	≤900W

Technical Data

Min. Ambient Temperature	- 25°C
Max. Ambient Temperature	+ 55°C
IP Classification	IP40

Dimensions

Net System Weight	53kg
Width x Length x Width	700mm x 1003mm x 329mm

Lighting Technical Information

Light Source	High Power Power LED		
Number of Luminaires	2x Wide Angle 25° 200W	30000lm X 2 = 60000lm	
	1x Infrared 8° 200W	850nm	
	1x Blinding Narrow Angle 4° 200W	Blinding option with Strobe Function	

Wide Angle Lighting

Wide Angle Luminaire Lumen Output (Lm)	>30.000
--	---------

Wide Angle Luminaire Efficiency Factor (lm/W)	> 130lm/W
---	-----------

Wide Angle Luminaire CRI value	70+
--------------------------------	-----

Wide Angle Luminaire Candela Value	>200.000 cd
------------------------------------	-------------

Wide Angle Luminaire Color Temperature (CCT)	6500°K
--	--------

Optic	25°
-------	-----

Blinding Lighting

Blinding Luminaire Lumen Output (Lm)	>15.000
--------------------------------------	---------

Blinding Luminaire Efficiency Factor (lm/W)	>130lm/W
---	----------

Blinding Luminaire CRI	70+
------------------------	-----

Blinding Luminaire Candela Value (cd)	>250.000 cd
---------------------------------------	-------------

Blinding Luminaire Color Temperature (CCT)	6500°K
--	--------

Optic	4°
-------	----

Infrared Lighting

IR Emission (W)	> 40W
-----------------	-------

IR Luminaire Wavelength (nm)	850nm
------------------------------	-------

Infrared Electrical Efficiency	>0.22
--------------------------------	-------

Infrared IR Electrical Power (W)	200
----------------------------------	-----

IR Wavelength Range (nm)	780nm – 870nm
--------------------------	---------------

Optic	8°
-------	----

Pictures and Dimensions

