

ZALLUQ

SMART PERIMETER SECURITY
RADAR SHIELD

ZALLUQ Radar series addresses a broad range of security requirements in the defence and homeland security applications



INTRODUCTION

Advanced radar technologies integrated with smart surveillance real time day/night camera that provide class-leading protection against both conventional & asymmetric /terrorist threats in application areas like **Border Security, Area Fencing, Airports / Critical Installations, Commercial Buildings**

WHY SHOULD RADAR BE ADDED TO PERIMETERS INTRUSION DETECTION SYSTEM

- Enables wide area monitoring for large open areas
- Reduces infrastructure costs (as wide FOV and extended range requires fewer cameras for coverage)
- Detects intruders beyond the fence line for early threat warnings
- Tracks multiple human or vehicle targets simultaneously

SPECIFICATIONS

ZALLUQ RADAR		CAMERA	
Frequency	K-Band	Image Sensor	1/1.8" progressive scan CMOS
Modulation Waveform	FMCW	Day\Night Switch	IR Cut Filter
Installation Height	2-3m	Zoom (Optical / Digital)	42x / 16x
Dimensions	228x 206 x 61mm	Movement Range (Pan)	360°
Beam-widths	Elevation: 30°, Azimuth: 100°	Movement Range (Tilt)	-20°to 90° (auto flip)
Scan Coverage (Mtr)	Human-500, Vehicle-1000	Max Resolution	2560 x 1440
Speed	-19m/s ~ +19m/s	Smart Tracking	Manual / Auto
Operating Temp	-40°C ~ 65°C	IR Distance	Up to 300m
Weight	1.8kg	Power	24 VAC, Hi-PoE

FEATURES

- Intercepting, detecting & tracking targets on digital maps
- Integrated with any day & night, thermal and IR cameras
- 360 degrees solution available for all models
- Customizable to user/site requirements
- Automatic/manual alarm by zone
- Portable options with solar and battery backup available
- Standalone and network configurations



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