



WiseEye™

Video Analytics

Sensor for Real

Time Outdoor

Intrusion Detection

First Of Its Kind!

300-ft. analytics-driven detection range: reliable in all weather, day and night



Lowest TCO (Total Cost of Ownership) Asset or Perimeter Protection System available

WiseEye Unique Features

Feature	Description	Other solutions
All in One video sensor	Contains video sensor, on-board scene analysis, IP communication--in a single unit	Requires multiple components: PIR, PTZ, VMS, standalone analytics boxes
PDA size device	Very small size, light weight; unobtrusive design does not draw attention	Subject to damage from dropping; obvious target for vandals, thieves
Detection range	300 ft. - human 550 ft. - vehicle	Varies from 40 ft. (PIR) to 100 ft
Detection Reliability	Adaptive analytics algorithms perform at a level competitive with the most expensive systems; "no-touch" all-season operation	PIR—varies in hot, humid conditions Other analytics: dawn/dusk problems, seasonal re-configuration required
Very low power draw	2.5 watts	Typically 10+ watts
Auto focus	fixed lens, no manual focus required	Manual setup required
Day/Night Operations	Two models: visible low-light, invisible IR-sensitive (complement with low-cost illuminators)	Expensive cameras, special mechanical lens switching mechanism, requires frequent maintenance
Fully IP66 certified	No need for outdoor enclosure to protect against rain, moisture, dust	Requires external enclosures to protect cameras
True Plug N' Play	Starts alert detection 30 seconds after powerup	Requires complex setup and configuration
Very low false alerts	Optimized algorithms for outdoor operation in rain, snow, dust, shadows, lights; supports masking, tripwire, size optimization options	Works only indoor or very "clean" area; requires constant "tuning" as seasons progress
Low output bandwidth	Real time JPEG image or MJPEG alerts stream—supports even very remote (e.g., via cellular) sites	Video streaming output requires significant bandwidth
6 month alert history	Analytic-driven alerts only data require little storage	Motion-activated alerts require 10X storage
Low maintenance, high uptime & efficiency system	Purpose-built for outdoor detection/verification One operator can reliably manage hundreds of sensors/dozens of sites Adaptive algorithms require no additional tuning	A mix of products and technologies Operator exhaustion from assessing falses Constant tuning by factory personnel Expensive maintenance and service plans from manufacturers



Specification

Processor:	PXA270, 415MHz
Memory:	32MB FLASH, 16MB RAM
Operating System:	Linux Embedded web server
Image Sensor:	1/ 3.8" Color CMOS
Effective Pixels:	640x480
Resolution:	VGA - 640x480
Minimum Illumination:	1 LUX
Detection Range:	Human - 80-100 meter Vehicle - 150-200 meter
Aperture:	2.8
FOV (Diagonal):	60°
FOV (Horizontal):	50°
Night Vision:	IR sensitive (850nm) Requires external IR illuminator
Interface protocols:	TCP, UDP, HTTP
Communication Interface:	Ethernet 10/100MB/s, 1 RJ45 port WiFi 802.111B/G
Output Alert Format:	JPEG / MJPEG
Alert marking:	Image graphic overlay
Setup and Configuration:	Remotely via web browser
Scene learning:	Within 30 seconds
Power Requirement:	12vdc +/- 10%
Required view conditions:	Operates and detects in rain, wind, snow, fog, Behind glass
Power Consumption	Wired – 2.5 Watt, WiFi - 4.5 Watt
Operating Temp. Range:	-20°C + 50°C
Unit Weight:	150 gram
Unit Dimensions:	100 x 62 x 23 mm
Environmental Rating:	Weather proof, IP66

