

ioi cam sc1dn



VGA IP Camera with built-in video analytics

The sc1dn is a dynamic range day/night surveillance camera with built-in stand-alone video analytics.

The sc1 analyzes the captured video signal to alarm and notify of people and/or vehicles that enter a predefined area, cross a tripwire or climb over a fence. Users can define what and the region to detect with customizable rules and criteria.

The sc1dn is a small self-sustained camera that does not rely on additional components for video analysis.

The sc1dn includes low noise levels and low light performance which optimizes the captured video signal and achieves maximum detection capabilities, while maintaining an extremely low false alarm rate.

As part of the ioimage intelligent video cameras (ioicam) series, the sc1dn features both analog and IP streaming video outputs (hybrid), enabling connectivity to both legacy and network based (IP) CCTV networks.

The camera can be configured via a standard web browser and includes automated sensitivity adaptation for minimal maintenance.

Features

- Fully integrated and self-sustained video analysis and encoding appliance – no need for additional HW/SW
- Real time video analysis (DSP based)
- High probability of detection, low false alarm rate
- Automatic actions can be triggered upon detection
- Integrated scheduler

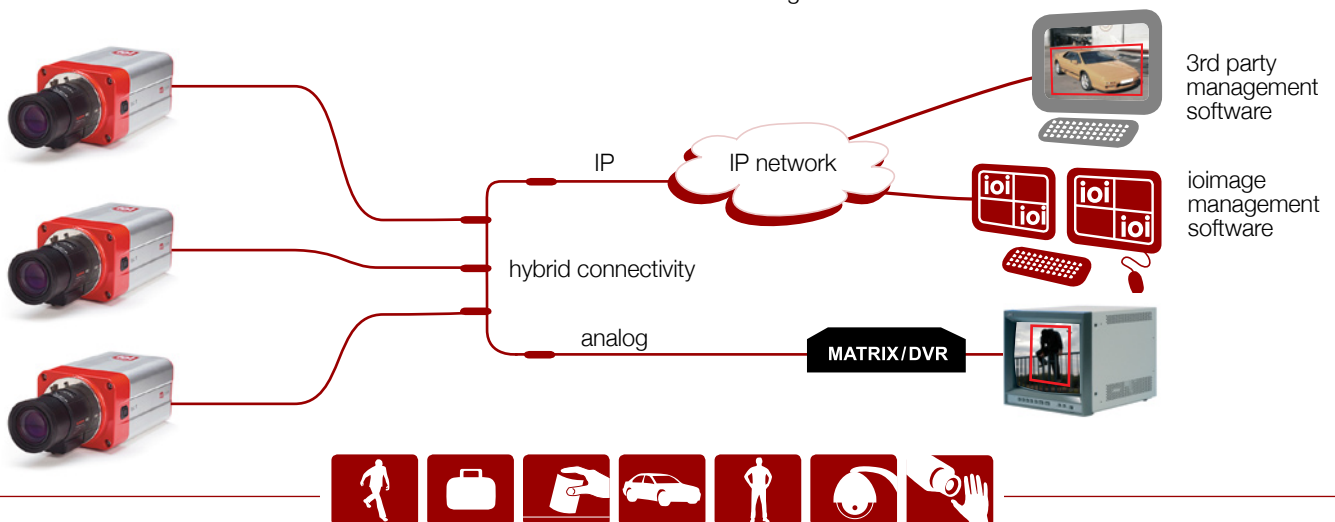
- Integrated WEB (HTTP) Server for live monitoring and configuration
- Hybrid video output (Analog & IP streaming)
- Integrates with existing analog equipment (analog monitors, DVR) for retrofitting existing installations
- Sensor: 1/4" CMOS Image Sensor
- Color/Black & White hybrid analog/IP camera
- Dynamic Range up to 82 dB
- 540 HTVL, Effective Pixels: 640(H)x480(V)
- IR cut filter: Auto/Manual
- AGC/ AE
- Auto Iris Control (DC)
- Auto/Manual White Balance
- Backlight Compensation
- NTSC or PAL
- CS Lens Mount/optional C Mount Adaptor

Built-in Detection Types:

- Intrusion Detection:
 - Regional Entrance
 - Tripwire Crossover
 - Fence Trespassing
- Camera Tampering

Optional Detection Types:

- Unattended Baggage Detection
- Object Removal Detection
- Stopped Vehicle Detection
- Loitering Detection



ioi camsc1dn Specifications

	sc1dn
Channels	
Number of Intelligent Video Analysis Channels	1
Analog Video Output	
TV Standard	Composite 1Vp-p – NTSC or PAL
Physical Connector	1x BNC 75Ω
Digital Video Output	
IP Video Streaming	MPEG4 SP and M-JPEG
Max Resolution per Channel	VGA
Frame Rate	Up to Full Frame Rate
Bit Rate	CBR (128Kbps – 4Mbps), VBR
Network	
Ethernet (IEEE 802.3/802.3U)	1x Ethernet RJ-45 Interface
Services and Protocols	TCP/IP, UDP/IP, HTTP, DHCP, DNS, SNMP, SMTP
Video Streaming	RTP/RTSP
Alarms/Commands	TCP/IP, HTTP
I/O Interface	
Alarm Input	1x Dry Contacts
Relay Output	1x Relay Output (rated load 0.3A@ 30VDC)
Power Source	
Voltage	5VDC
Power Consumption	3W
Physical Dimensions	
Dimensions (mm)	73 x 60 x 133 mm (WxHxD)
Dimensions (inches)	2 7/8" x 2 3/8" x 5 15/64" (WxHxD)
Environmental Specifications	
Operating Temperature	0° to 50° C
Operating Humidity	5% to 90% (Non-Condensing)
Certifications	
Safety	cTUVus, CE
Electromagnetic Interference (EMC)	FCC part 15 subpart B, Class B