ioimage
intelligent video appliances™

ioi cam mmp100dn

IP Camera with built in video analytics

The mmp100dn is a Multi-Megapixel imager surveillance camera with built-in stand-alone video analytics and Picture in Picture (PIP) capabilities.

The mmp100dn Multi-Megapixel imager is able to zoom-in (45x) to focus on details while maintaining the Field of View (FOV) in the background.

The mmp100dn analyzes the captured video signal to alarm and notify of people, vehicles and objects that cross a perimeter, enter a pre-defined region, are left behind, or are removed from a scene. Users can define what and the region to detect with customizable rules and criteria.

Upon detection, the mmp100dn camera zooms in on the detected object and displays it in the PIP window. Users can configure what will be shown during detection such as first/last or all detected objects.

The mmp100dn is a small self-sustained camera that does not rely on additional components for video analysis.

The mmp100dn includes an Image Quality Enhancer designed to optimize the captured video signal to achieve maximum detection capabilities while maintaining an extremely low false alarm rate.

As part of the ioimage intelligent video cameras (ioicam) series, the mmp100dn features both analog and IP streaming video outputs, enabling hybrid connectivity to both legacy and network based (IP) CCTV networks.

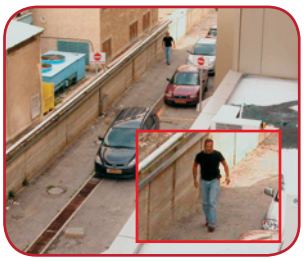
The camera can be configured via a standard web browser and takes less than five minutes to setup.

Features

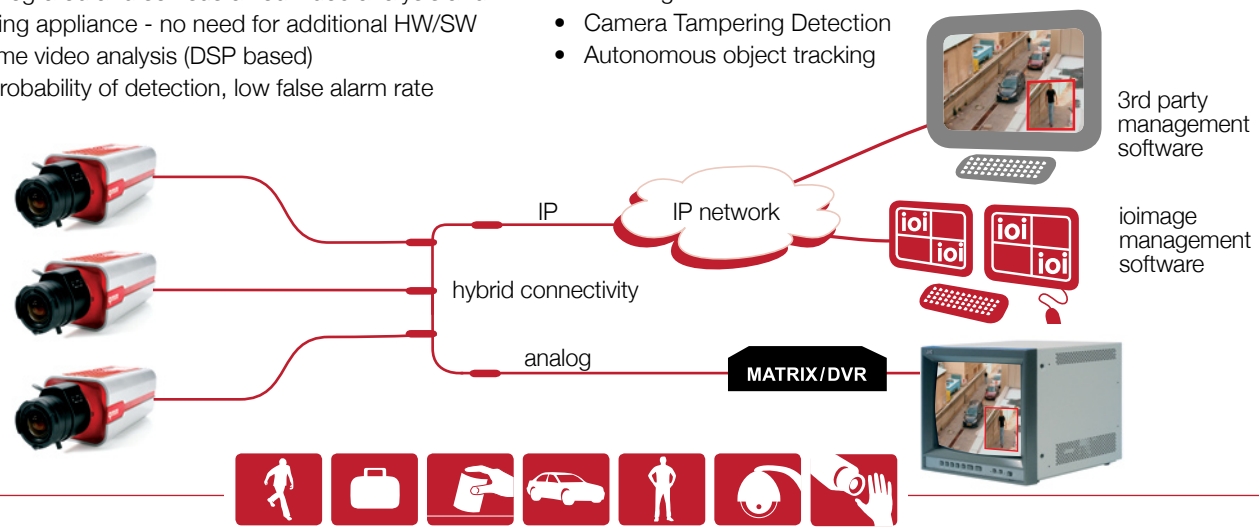
- Fully integrated and self-sustained video analysis and encoding appliance - no need for additional HW/SW
- Real time video analysis (DSP based)
- High probability of detection, low false alarm rate
- 5 minutes setup process
- Multiple detection rules
- Automatic actions can be triggered upon detection
- Integrated scheduler
- Integrated HTTP Server for live view and configuration
- Hybrid video output (Analog & IP streaming)
- Integrates with existing analog equipment (analog monitors, DVR) for retrofitting existing installations
- Predefined scene presets
- Picture In Picture capabilities shows selected region, full FOV or first/last/all detected objects
- Viewing formats: single window, PIP, PIP (swapped), side by side
- Sensor - 1/2-Inch CMOS 3-Megapixel
- Color/Black & White Hybrid Analog/IP camera
- Dynamic Range 61dB
- Automatic image quality enhancer for best detection
- IR cut filter: auto/manual
- Backlight compensation
- Auto/Manual White Balance
- AGC/AE
- Auto Iris Control (DC)
- NTSC or PAL
- CS Lens Mount

Detection Types:

- Intrusion Detection:
  - Regional Entrance
  - Tripwire
  - Fence Trespassing
- Unattended Baggage Detection
- Object Removal Detection
- Stopped Vehicle Detection
- Loitering Detection
- Camera Tampering Detection
- Autonomous object tracking



PiP Detection



ioimage
intelligent video appliances™

ioi cam mmp100dn Specifications

	mmp100dn
Channels	
Number of Intelligent Video Analysis Channels	1
Analog Video Output	
TV Standard	Composite 1Vp-p – NTSC or PAL
Picture in Picture	Supported
Physical Connector	1x BNC 75Ω
Digital Video Output	
IP Video Streaming	M-JPEG and MPEG-4 SP, Two separate, independent and configurable video streams
Max Resolution per Channel	4CIF (including Picture in Picture)
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, SNTP
Video Streaming	RTP/RTSP
Alarms / Commands	TCP/IP, HTTP
I/O Interface	
IN - Alarm Input	1 x Alarm inputs (from Dry Contacts)
OUT - Relay Output	1x Relay Output (rated load 1A@30VDC)
Power Source	
Voltage	12VDC/24VAC
Power over Ethernet (PoE)	Supported (IEEE 802.3af)
Power Consumption	9W
Physical Dimensions	
Dimensions (mm)	72 x 60 x 149 mm (WxHxD)
Dimensions (inches)	2 13/16" x 2 11/32" x 5 27/32" (WxHxD)
Environmental Specifications	
Operating Temperature	0° to 50° C
Operating Humidity	5% to 95% (Non-Condensing)
Certifications	
Safety	CE, TUV
Electromagnetic Interference (EMC)	FCC part 15, subpart B, Class A