

## ION Series

### Supercharge your Surveillance System

The Iomnis ION Series is designed for hybrid Analog and IP Video Surveillance Solutions and is optimal as an upgrade or replacement for DVR's for small business and retail environments. The ION Series has been designed in conjunction with OnSSI and includes licensing for Ocularis PS, which is pre-installed.

This ION Series is a plug-and-play, drop in solution that requires minimal configuration.



## Features & Benefits



### All in One Solution

Analog and IP video archive, mobile client hosting and viewing live video.

### Scalability

Up to 16 analog cameras using onboard encoder - up to 26 cameras total (analog and IP) to maximize your use of Ocularis PS. Ocularis PS is compatible with over 2000 camera models.

### Powerful Ocularis PS VMS included

Preloaded and licensed with OnSSI Ocularis PS software including licensing for 16 cameras (expandable to 26.) Ocularis is an IP-video surveillance and security platform which includes a full-fledged VMS, combined with comprehensive PSIM functionality providing:

- Integration and coordination of integrated physical security, content analytic and other detection systems
- Full VMS functionality with centralized management of cameras, connected devices, recording servers and redundant servers, at multiple sites
- Centralized event, end-user rights and video recording and distribution management
- Open-Architecture Non-Proprietary Technology
- Highly Intuitive Unified Video Client
- Central Management for Alerting, Shared Event Handling, Client Asset and User Authorization Data

### User Interfaces

Access live and recorded video from the ION Series server or a client machine. Leverage powerful software features including Web and Mobile Server.

- Ocularis Web allows you to monitor and control up to 16 HD cameras at full resolution and full frame rate over limited bandwidth connections through a standard web browser. This brings the true experience of desktop video surveillance to browser-based video clients.
- Ocularis Mobile is the best mobile app, period. Only Ocularis can mobilize 16 HD streams on iPad tablets, at full frame rate and full resolution. Ocularis Mobile brings the true experience of video surveillance to your mobile device.



# Technical Specifications



Processor	Intel i7 3770 - 3.4GHz Quad Core
Memory	8GB 1600MHz DDR3
Graphics	Intel HD4000 (2x DP, 1x VGA)
Max Monitors	2
Encoder	16 Ch. (Stretch VRL-7016L)
Max Encoders	2 cards (one included)
Optical	DVD+/- RW
Network	Intel 82579LM Gigabit
USB Ports	4 Front, 6 Rear
Video Storage	Up to 4TB
Operating System	Windows 7 Pro 64bit
Warranty	3 Years (Upgrades available)

Size / Form Factor	Small Form Factor
Power Supply	200 Watt 90% (80 Plus Gold)
Average Power Usage	136W
Average BTU per Hour	464.05 BTU / Hour
Ambient Operating Temp	40°F (4.5°C) - 95°F (35°C)
Weight	13.2lb (6.0kg)
Dimensions (In/cm)	11.4 x 3.7 x 12.3 / 29 x 9.3 x 31.2



## Example Configuration

Cameras	16 Analog + 10 HD IP Cameras
Client	2x2 View on Ocularis Client
Mobile Client	2x2 View on Mobile Client
Analog Camera Config	16x 4CIF Cameras at recording at 15fps, 30% motion over 24 hours
IP Camera Config	10x 1.3MP Cameras at recording at 10fps, 30% motion over 24 hours
Storage Retention <i>(can vary with bitrate)</i>	1TB = 8 Days   2TB = 15 Days   3TB = 23 Days   4TB = 30 Days

## Part Numbers

ION1PS1TB-16CH	Iomnis ION 1TB, 16 Analog Channel Server, Ocularis PS
ION1PS2TB-16CH	Iomnis ION 2TB, 16 Analog Channel Server, Ocularis PS
ION1PS3TB-16CH	Iomnis ION 3TB, 16 Analog Channel Server, Ocularis PS
ION1PS4TB-16CH	Iomnis ION 4TB, 16 Analog Channel Server, Ocularis PS

Iomnis Surveillance Solutions is a hardware and software company headquartered in Houston TX specializing in hardware surveillance solutions, architectural virtual reality software and simulation systems. Iomnis prides itself with by initiating industry standards such as the Surveillance Performance Index benchmark to determine overall surveillance server performance requirements. OnSSI is an industry leader in providing software technologies that enable cutting edge IP Video surveillance management software. Iomnis has partnered with OnSSI to release this exciting addition to our server line-up, and industry first to leverage full VMS licensing with fully optimized hardware to allow seamless installs for all integrators.

The ION Series servers can be purchased through CSC, Anixter and ADI Global.