

**+ 70.000
CUSTOMERS**

**+ 1.000.000
CONNECTED CAMERAS**

**+ 40
COUNTRIES**



Banks



Cities



Military
Installations



Education



Retail



Ports &
Airports



Governmental
Installations



Sports &
Entertainment

ONVIF



Microsoft
GOLD CERTIFIED
Partner

MIRASYS

INNOVATIVE VMS SOFTWARE

- **Over 20 years** in business, established in 1997 in Helsinki, Finland
- Global company, operating in **over 40 countries**
- **Open Platform** architecture
- **Microsoft** Gold Partner
- **ONVIF** contributing member
- **PSIA** contributing member

Proven solutions for many cases

UK and Nordics Arenas
European Central Banks and Prisons
City of Bangkok
Indian Railways
Port of Tallinn
Retail chains
Casinos chains

REGIONAL AND GLOBAL INTEGRATORS

COMMAND CONTROL PSIM

RADARS LASER INFRA RED CBRN

LIGHTNING

ACCESS CONTROL FIRE DETECTION

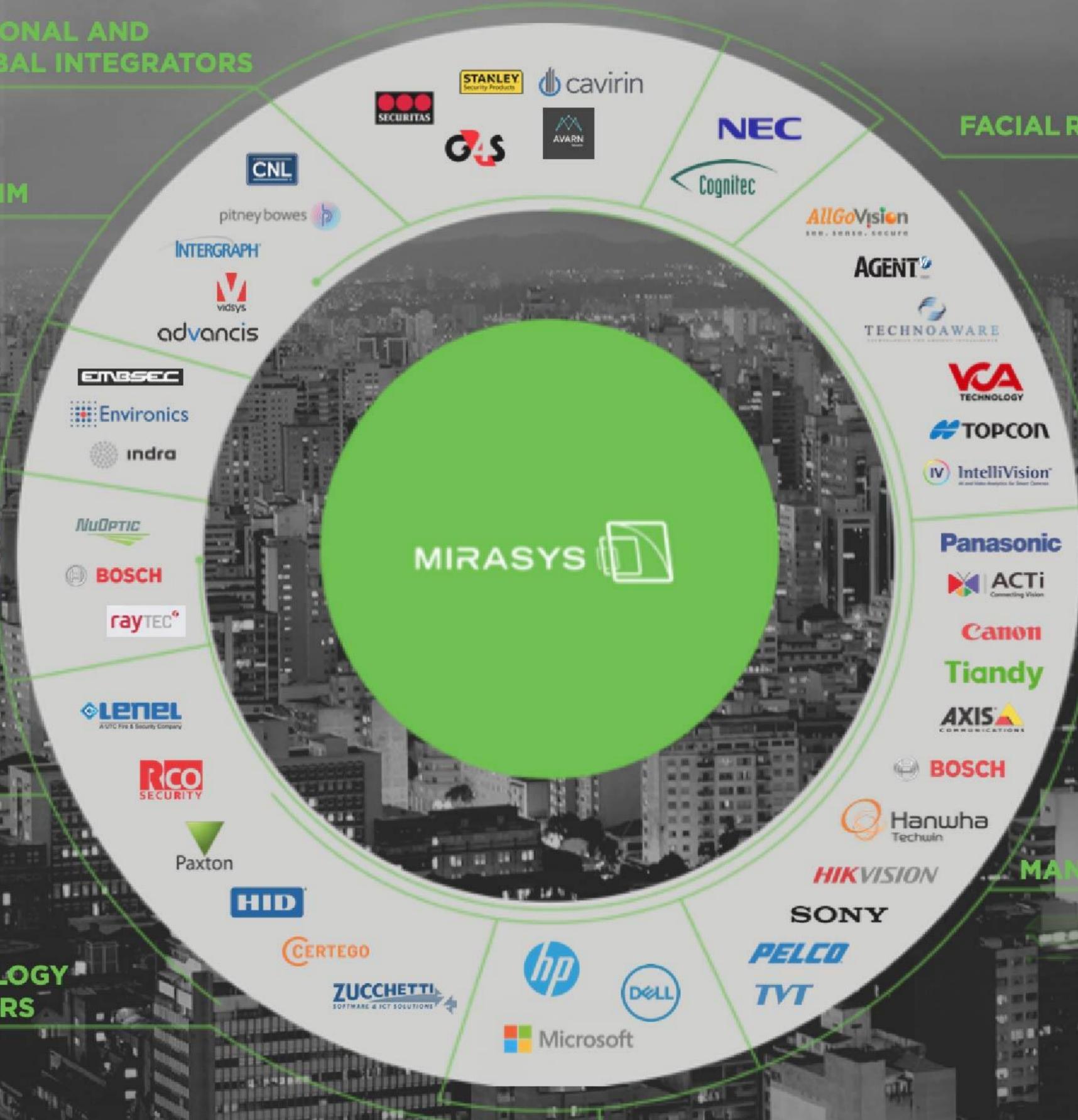
TECHNOLOGY PROVIDERS

FACIAL RECOGNITION

MIRASYS VMS ECOSYSTEM

VCA PARTNERS

CAMERA MANUFACTURERS



OPEN PLATFORM

+ 8,000 cameras and other external devices integrated to Mirasys VMS.



MIRASYS

VMS

HIGHLIGHTS

MIRASYS VMS HIGHLIGHTS

- Quick and easy installation and setup
- Highly modular with powerful features
- Efficient and smooth connectivity
- Boundless with extreme scalability and performance
- Proprietary secure data recording technology
- Hybrid (analog & IP), over 8.000 camera models



Protection of premises



Loss prevention



Systems integration



Protection of goods



Protection of Installations



Triple control Of access



Safety increase



Remote guard



Perimeter Protection



Inhibit invasions



Detect invasions



Response to invasions



Buildings Management



Integrated Security



Reception and Information



Parking Management



Security

SOFTWARE FEATURES

- Greater interface
- Powerful analytics
 - Motion detection
 - Auto zoom / auto track
 - Object recognition
 - Counting
 - Speed / direction
 - Dwelling
 - Heat map
- Maps
- Alarms
- Reports
- Forensic analysis
- Watchdog



SPOTTER

THE USER INTERFACE

Tab Modularity

"Drag & Drop"
Camera Tree

Device
Management

Alarm
Management

Multi Monitor
Support

Time and Activity
Navigation Bar

Customization and Adaptability of
the Control Buttons



Alarm Type	Duration
Parking	1 s
Person at Entrance	2 s
Parking	16 s
Parking	1 min
Parking	2 min
Parking	2 min
Person at Entrance	3 min
Parking	3 min
Parking	3 min
Person at Entrance	3 min
Parking	4 min
Person at Entrance	4 min
Parking	4 min
Parking	5 min
Parking	5 min
Parking	7 min
Parking	7 min
Parking	8 min
Person at Entrance	8 min
Parking	8 min
Parking	9 min
Person at Entrance	9 min
Parking	9 min
Parking	9 min



VideoWall solution for larger entities

- No delay / errorless.
- Instant live picture: real-time situation immediately
- Add-on framework
 - One or several AVMs in the same system
 - Each AVM works independently of each other
 - Independent of network construction
 - ThruCast live stream from the cameras work even when server error occurs
- Cost-effective

**MULTIPLE CAMERAS
INTEGRATED AND
REGISTERED IN
MULTIPLE SERVERS**



MIRASYS VIDEO WALL



INTEGRATIONS

OPEN AND EASY PLATFORM

Over 8.000 different cameras and IoTs (access control, alarm system etc.) are integrated with Mirasys software. An open platform easy to integrate and connect.

TEXT CHANNELS

DIGITAL I/O

AUDIO CHANNELS

API, SDK, PLUG-IN

MIRASYS VMS VERSIONS

MIRASYS



MIRASYS



SPOTTER VO

go beyond by deep vision data

MIRASYS VMS

PRODUCT MODELS

SPOTTER

go beyond by deep vision data



SPOTTER BASE

Make small businesses safe

Up to 20 connected cameras on a single server (stand alone) system and maximum two simultaneous users.



SPOTTER PRO

Commits to all industries

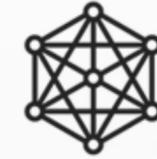
Up to 50 connected cameras per server, maximum 3 servers in one system with maximum 5 simultaneous users.



SPOTTER ENTERPRISE

For projects in large installations

Without limitations, it enables large projects with all the features included.



SPOTTER ENTERPRISE PLUS

A deep vision data VMS

No restrictions, all features included and every channel contains VCA!

MIRASYS VMS FEATURE LIST

SPOTTER V9

go beyond by deep vision data

MIRASYS SPOTTER V9	Base	Pro	Enterprise	Enterprise Plus
Max. Cameras per server	20	50	250	250
Max. Servers	1	3	150	unlimited
Audio	-	-	2 per channel	2 per channel
Text data channels	-	-	64 / server	64 / server
Simultaneous users	2	5	10	unlimited
MJPEG, MPEG-4, H.264, H.265/HEVC	✓	✓	✓	✓

Check www.mirasys.com to see the other features.

VCA

AI & metadata

Deep integrated Mirasys VCA

Mirasys VCA solution is used on over 350.000 channels offering all typical VCA features with deep data learning.



VIDEO CONTENT ANALYTICS

The interface displays a set of detection rules on the left and a corresponding video frame on the right. The rules are as follows:

- Rule 1 (Blue box):** Type: Presence, Name: South Pres, Zone: South, Can trigger actions: false.
- Rule 2 (Green box):** Type: Direction, Name: Heading West, Zone: West, Angle: 263, Acceptance: 62, Can trigger actions: false.
- Rule 3 (Dark Green box):** Type: Object Filter, Name: Vehicle Filter, Filters: Vehicle, Can trigger actions: false.
- Rule 4 (Yellow box):** Type: Previous, Name: Previous Vehicle ..., Per target: true, Interval: 5000, Can trigger actions: false.
- Rule 5 (Purple box):** Type: And, Name: Vehicle f/South T..., Per target: true, Can trigger actions: true.

The video frame on the right shows a street scene with three vehicles detected and labeled "Vehicle". A red line indicates a path or movement. A log at the bottom shows the following events:

414	2020-08-14 12:37:30	Vehicle f/South Turned Left	and
411	2020-08-14 12:37:27	Vehicle f/South Turned Left	and
388	2020-08-14 12:37:18	Vehicle f/South Turned Left	and
379	2020-08-14 12:37:08	Vehicle f/South Turned Left	and

VIDEO CONTENT ANALYTICS

MWS

Mirasys Workstation Servers Base Servers

The Mirasys Base Qube and Base 1U server range has been designed to provide standalone server solution for small sized installation, with max. 300Mbps throughput and up to 16TB of on-board storage (JBOD).



MSS

Mirasys Storage Servers Enterprise Servers

The Mirasys NVR Enterprise server range has been designed to provide standalone server solution for large sized installation, with max. 750Mbps for the NVR Enterprise Medium, 1500Mbps for the NVR Enterprise High and 2000Mbps for the NVR Enterprise Ultra throughput and up to 176TB of on-board storage (RAID 5 + hotspare / RAID 50 + hotspare).



MRW

Mirasys Remote Workstation

The Mirasys Qube and High-Performance Remote Workstations have designed for 24/7 operation for multi-monitor viewing stations.

MSS

Mirasys Storage Servers Professional Servers

The Mirasys Pro Qube and Pro NVR 1US/2UG server range has been designed to provide standalone server solution for medium sized installation, with max. 500Mbps for the Pro Qube and 600Mbps for the Pro NVR 1US/2UG throughput and up to 40TB of on-board storage (JBOD for Pro Qube and RAID 5 for Pro NVR 1US/2UG server).



MMS

Mirasys Management Servers

The Mirasys NVR Medium and High Management server has been optimised for critical databasing applications. They are designed for medium to large sized solutions with separate storage servers.

DATA ANALYSIS

DATA
REPORTS

DB – Operational Events

ALARM Events

52:673

LOWRY IP:192.168.1.101
DYNAMIC IP: 192.168.1.101
BY IP:192.168.1.101
SOME SERVICE
HELLO

POWERFUL AND INTELLIGENT INSIGHTS

Key information for management team
**identify patterns, evaluate processes, and
detect abnormal behaviors.**

STORAGE

BACK UP and FAIL-OVER

Up to 50% of economy through Mirasys SDD (Proprietary Record System)

Secure Data Distribution

- Mirasys sdd distributes data in a smart way
- Saving the evidence even if it is lost a hd. And reduces hardware redundancy.
- Keeps the main information safe and minimises the cost of ownership

BANDWIDTH MANAGEMENT

OPTIMIZING VIDEO CASTING AND REAL TIME ACTIONS

Gateway Server

Multi Streaming

Multi Casting

Thru Casting

Metadata

FUTURE-PROOF

META DATA

ARTIFICIAL INTELLIGENTE

DEEP LEARNING

CLOUD SOLUTIONS

Mirasys has been leading the innovation for building safe and smart cities besides providing better performance for business.

KONTAKT

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