



# Intelligent Video Analytics and exacqVision integration

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# Next Generation Motion Detection



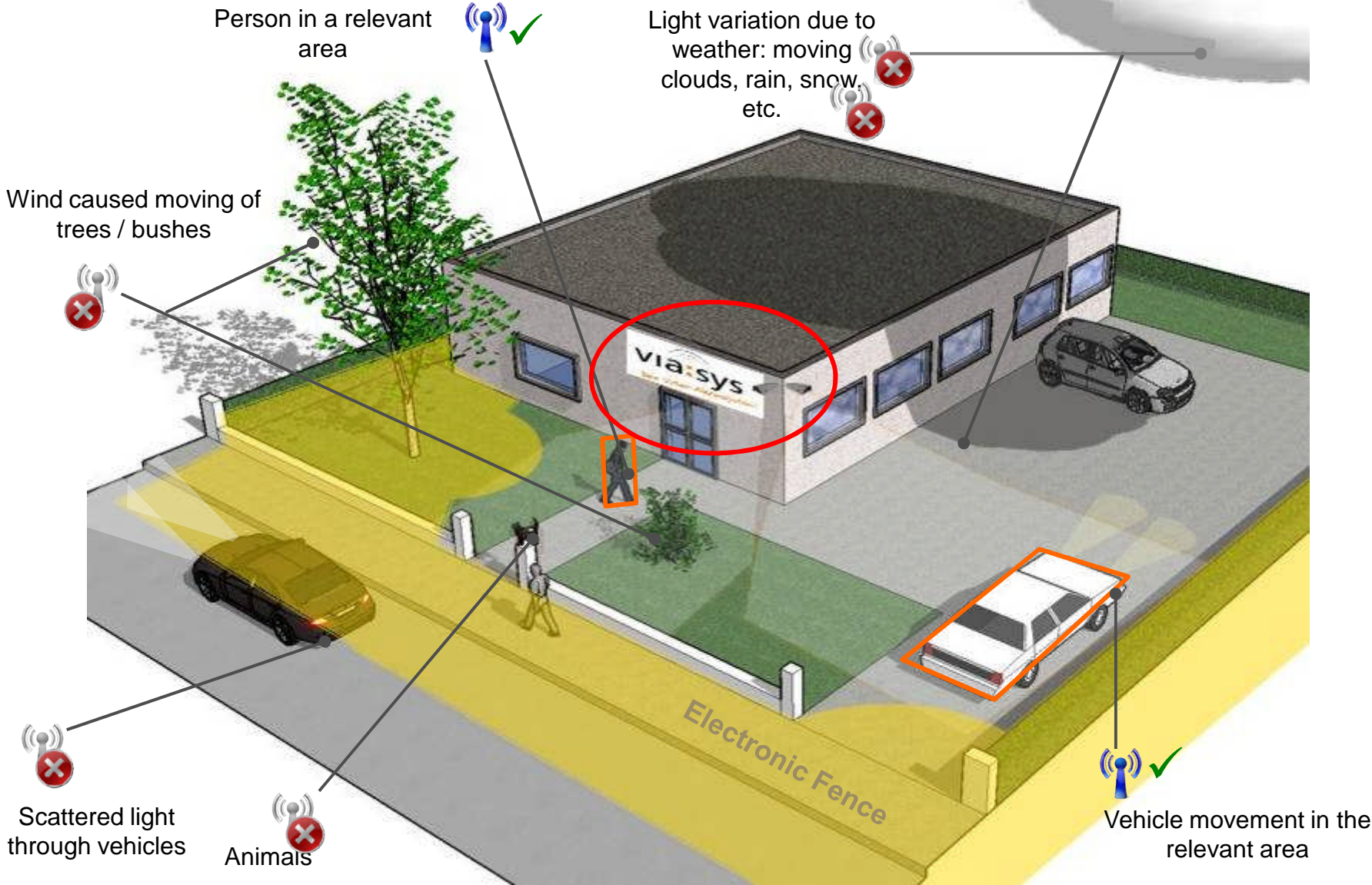
- Next Generation Intelligent Motion Detection
- Reduces false alarms by 95%
- Camera Plugin loaded into the **Axis**, **IQeye** and **Basler** cameras
- Server Plugin installed on exacqVision server (no dedicated server needed, but possible)
- First affordable Video Analytics Solution for the mass market



# A Typical situation with common motion detection Significant number of false alarms

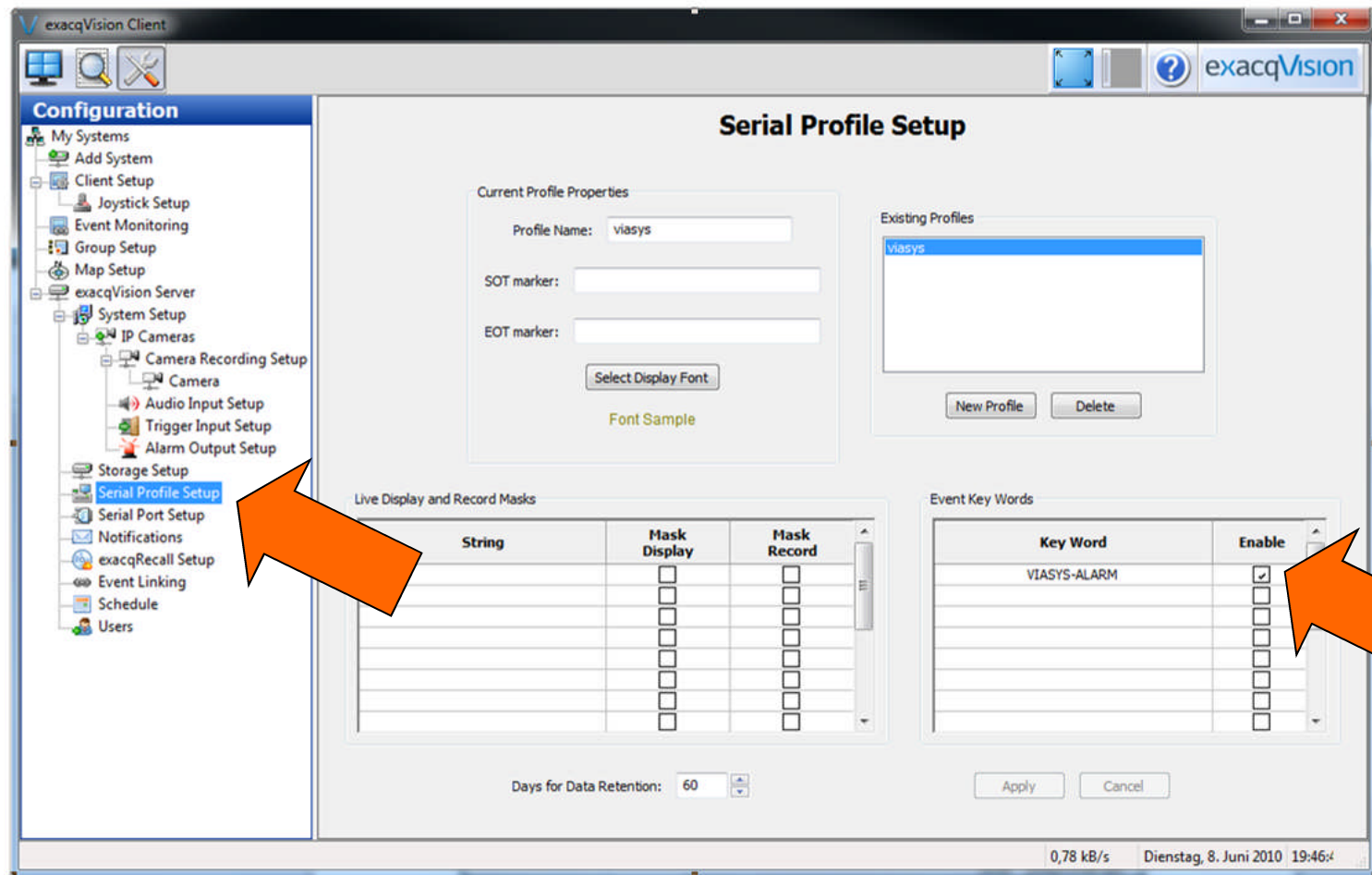


# Reliable recognition of relevant movements



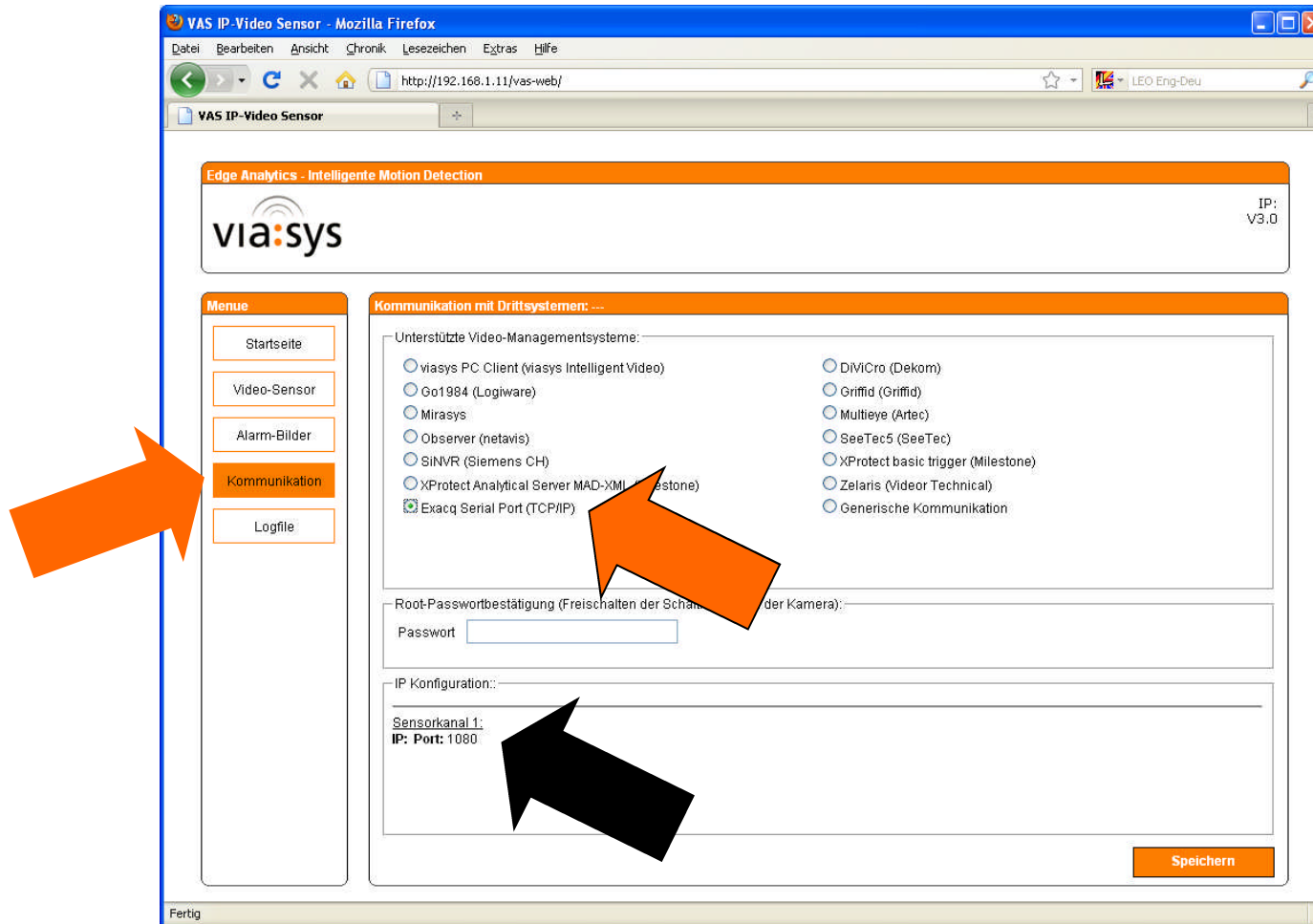
# Integration into Exacq in 3 simple steps

1) Create a Serial Profile in exacqVision „viasys“ with event keyword „viasys-alarm“



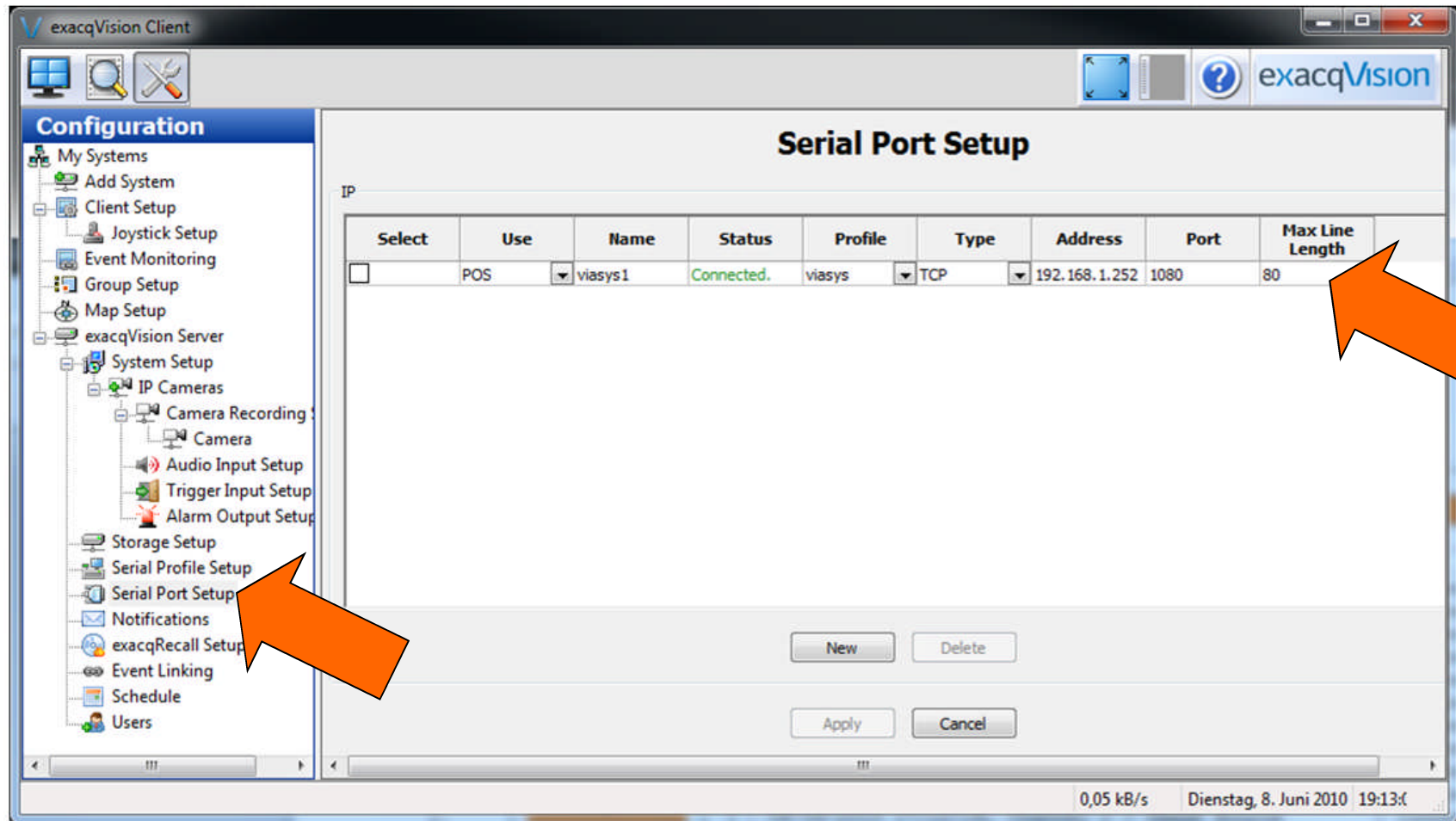
# Integration into Exacq in 3 simple steps

2) Select in the Communication menu of viasys Exacq and note the IP and port of the viasys plugin



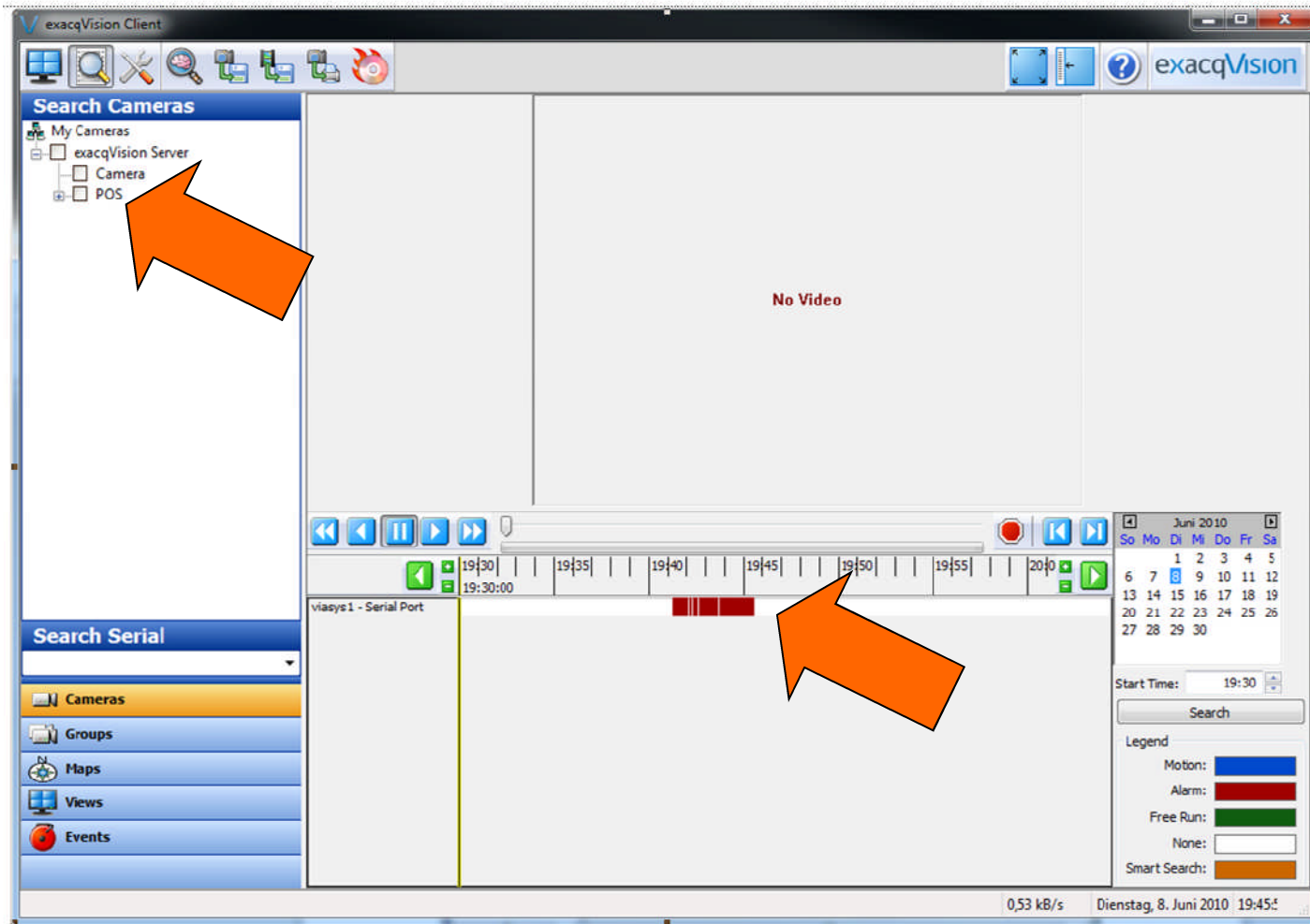
# Integration into Exacq in 3 simple steps **Via:sys**

3) Set up a serial port TCP/IP connection with the IP and port address of the viasys plugin



# Integration into Exacq in 3 simple steps **Via:sys**

That's it: Verify the events created by viasys in Camera Search



„at the edge“



## 1) viasys Camera plugin on „edge devices“ like cameras, video-encoders:

No additional hardware needed: Resources of edge device is used.

No network traffic, no bandwidth consumption until relevant events occur. Alarm trigger via TCP/IP to exacqVision to trigger events.

„server based“

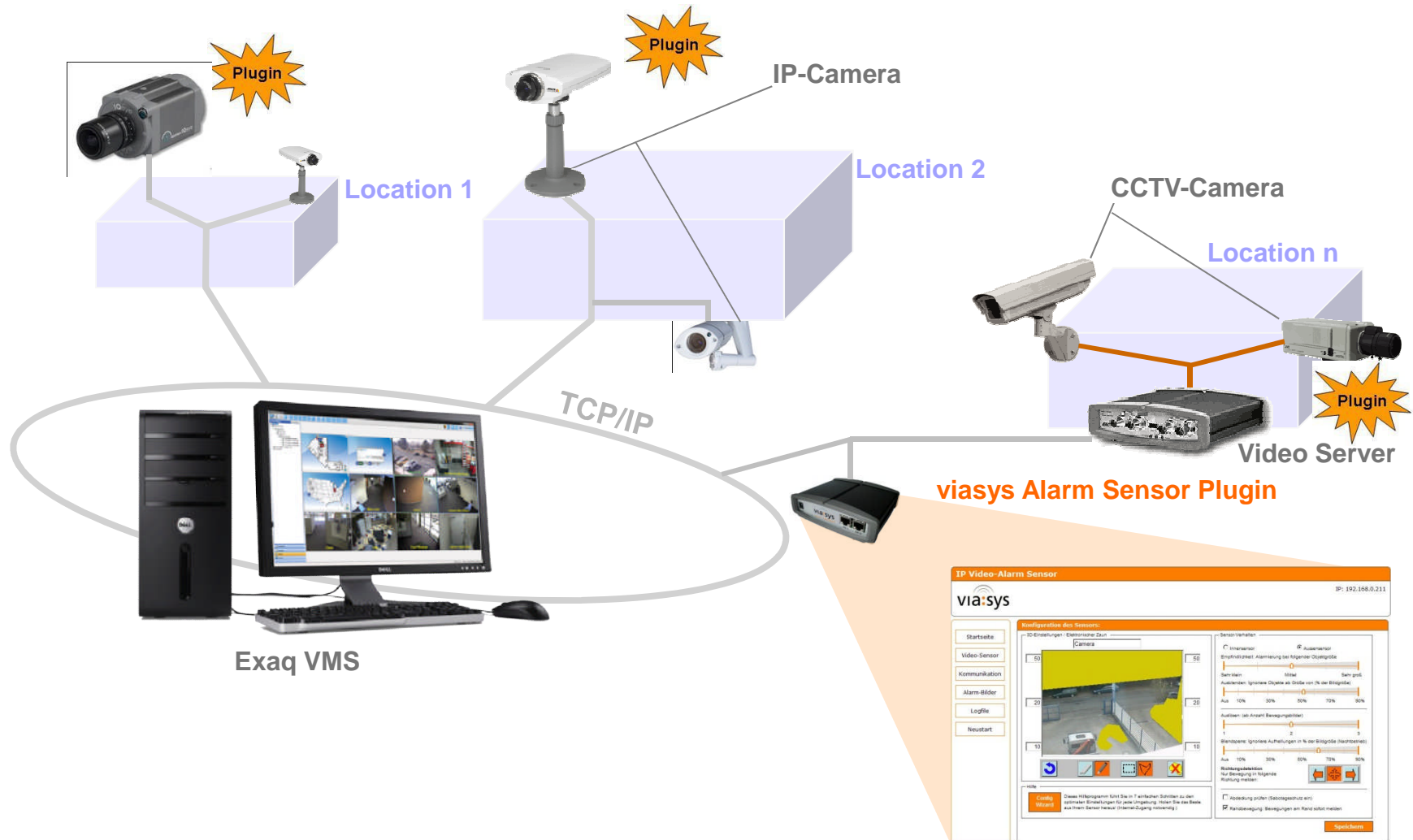


## 2) viasys server plugin on exacq-server:

Runs on exacqVision server as a virtual machine – no additional server / hardware needed. (Dedicated server is possible, but not necessary)

# Scenario: viasys at the edge

viasys analytics runs on the edge device itself:



# Scenario: viasys on the server



Server based running as virtual machine on exacqVision server

# Combine edge and server based analytics **Via:sys**

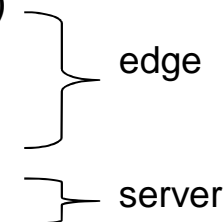
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Combine viasys camera plugins and server based analytics under the same unified user interface. They all can be combined seamlessly:

## Case study:

- 6 viasys plugins on Axis cameras
- 2 viasys plugins on Axis video servers
- 4 viasys plugins on IQeye ProLine megapixel cameras
- 10 viasys channels on exacqVision Server (on the same server)

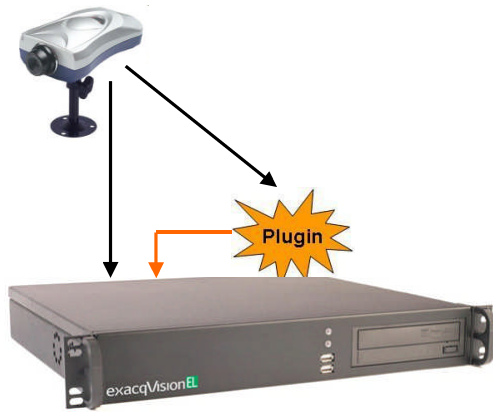
Total of 22 cameras / analytical channels,  
and NO additional server needed!



All channels can be centralized installed and configured from the exacqVision client PC or any web browser / PC within the network.

With viasys server plugin there are two ways to get the picture stream for analytics:

### Use Camera directly as picture source



- works with viasys supported IP cameras
- requires 2nd stream (2 fps – mjpeg) from camera
- creates little more network traffic to server

### Use Exacq as picture source (get camera video through Exacq)



- works with all exacqVision supported cameras
- even works with analog cameras digitized by exacqVision
- creates no additional network traffic in network (if viasys is installed on same server as exacqVision)

# Typical fields of application



- Nuclear plants
- Jails
- Car Dealers
- Logistics
- Private premises
- Public premises
- Europe's biggest Ferrari Dealer
- Media Markt roof tops
- Jewish Museum Berlin
- Stiftung Warentest
- Heraeus
- IG Metall

# Installation and TCO



Rocket science?

- Installed in less than 5 min / cam



Test bed?

- 10.000 Channels installed

Thousands of Euro to implement just one channel?

- 149 € on Axis, 199 € on IQeye
- Same budget range for server based plugins





**Thank you!**

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