

MULTIEYE[®] NEXT

Video Management System for medium to large projects



artec
technologies

MULTIEYE® NEXT



Multi-track view

MULTIEYE NEXT is one of the most powerful and efficient video management systems on the market. The new software bundles a variety of state-of-the-art technologies. This includes video analysis on the basis of artificial intelligence for various applications, support of GPU acceleration in the recorders, audio recording in hi-fi quality, mobile clients (Android/iOS) with video live streaming and intercom, highly encrypted transmission including recording as well as maximum reliability through cluster operation.

For easy management, the video surveillance system always consists of three basic applications (administration, recording/analysis, live display), which are seamlessly integrated and can be distributed across multiple servers in the Enterprise version. Even large installations do not require special software knowledge or skills. The customer operates the system via the intuitive user interface locally or via a remote connection. The system supports multi-monitor operation as well as a fully automatic video wall display.

The Videomanagemet software contains a variety of functional components to create customer-specific system solutions. User authorizations are adjustable over several access levels to ensure highest data security. The overall system guarantees highest reliability and data security through the use of back-up servers and end-to-end encryption.

MULTIEYE NEXT is available as a complete system solution with video server, client stations, monitoring wall or as software license. MULTIEYE NEXT systems are available in two software editions: the **PROFESSIONAL** Version for systems with up to 64 video cameras and the **ENTERPRISE** Edition for systems with unlimited number of cameras and redundant operation.

MULTIEYE NEXT Videoserver

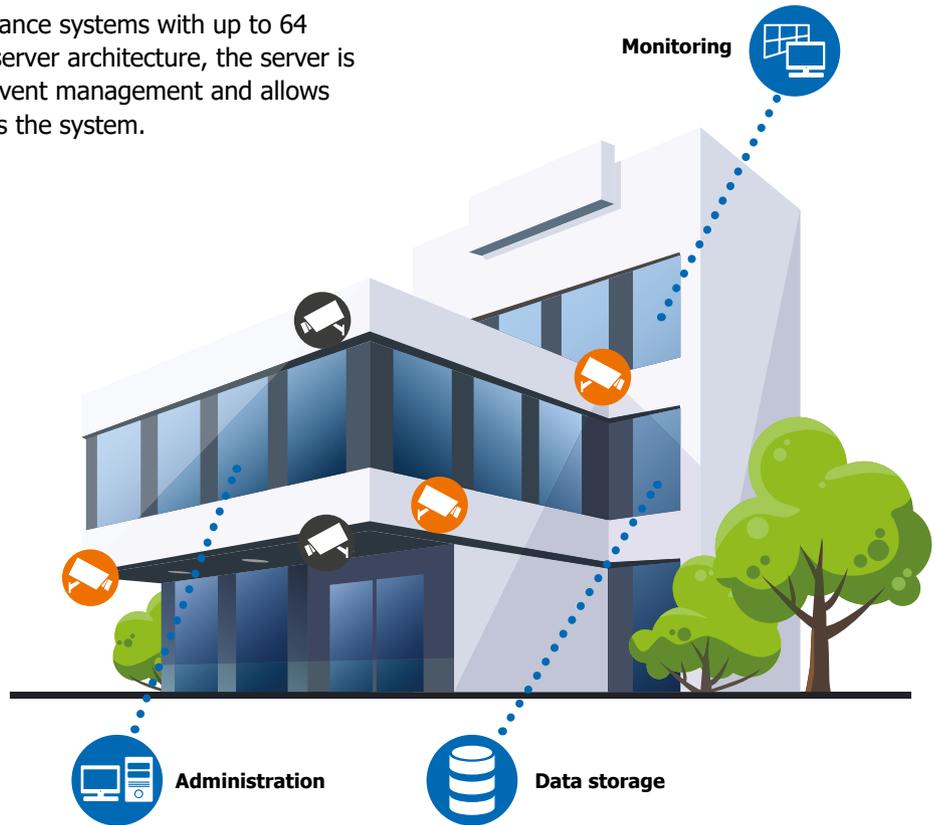


MULTIEYE NEXT editions

MULTIEYE NEXT PROFESSIONAL

This edition targets professional surveillance systems with up to 64 cameras. It is based on a typical client-server architecture, the server is responsible for media, recordings and event management and allows an unlimited number of clients to access the system.

- ✓ Up to 64 channels
- ✓ Easy integration
- ✓ Upgrade possibility to ENTERPRISE
- ✓ Video wall support
- ✓ Very high reliability
- ✓ Very hardware and system efficient
- ✓ Unlimited client license
- ✓ One-camera server in the system



MULTIEYE NEXT Professional

Functions »

- Intel GPU acceleration
- Multi camera event scenarios
- Dynamic user groups
- System notifications
- External integration
- Direct ATIS export
- Web HTML 5 client
- APPs (native) for iOS and Android phones
- H.265 support
- Vehicle LP detection and recognition
- Video Wall
- Recordings backup
- Time lapse videos
- Smartphone Live camera transmission
- Advanced AES encryption
- Screen recorder
- C4 platform integration
- Openstreammap map data usage
- Active directory integration
- Automatic configuration backup
- Generic SNMP support
- Rendering of analysis metadata

MULTIEYE NEXT ENTERPRISE

This edition is the most flexible and most advanced MULTIEYE NEXT edition allowing to connect thousands of cameras using any particular number of video servers. Thanks to the technologies like smart transmission, smart recordings or utilizing the events at the edge, this edition ensures the highest system efficiency even with huge numbers of cameras.



MULTIEYE NEXT Enterprise

Advanced functions »

Application cluster
LP database replication
Metadata centralization

unlimited

- ☑ Unlimited number of cameras and video servers
- ☑ Up to 256 cameras per video server
- ☑ Unlimited client license
- ☑ Central system administration
- ☑ Central upgrades
- ☑ Maximum expansion flexibility
- ☑ Tools supporting large systems

MULTIEYE NEXT features at a glance

- ☑ Expandability of the number of channels at any time, no upper limit
- ☑ High performance with up to 256 video cameras/video encoders
- ☑ Greatest possible redundancy through failover server
- ☑ AI based video analysis
- ☑ No client limitation
- ☑ Auto Backup
- ☑ Video Wall support
- ☑ Active Directory support
- ☑ H.265 support
- ☑ Encrypted transmission and recording
- ☑ Smartphone/tablet App with live streaming feature
- ☑ License plate recognition optional
- ☑ Realtime clips in timelapse clips convertible
- ☑ Audio recording

unlimited
number of
channels

AI based
video analysis

H.265
support

Vendor-independent camera support through ONVIF support

MULTIEYE NEXT is an ONVIF compliant solution and can be used with any product that supports ONVIF standards. MULTIEYE NEXT can be seamlessly integrated into other systems via open communication standards, as it has been the case in numerous integration projects with access control or enterprise information systems proved.



Smartphone/tablets as IP video camera

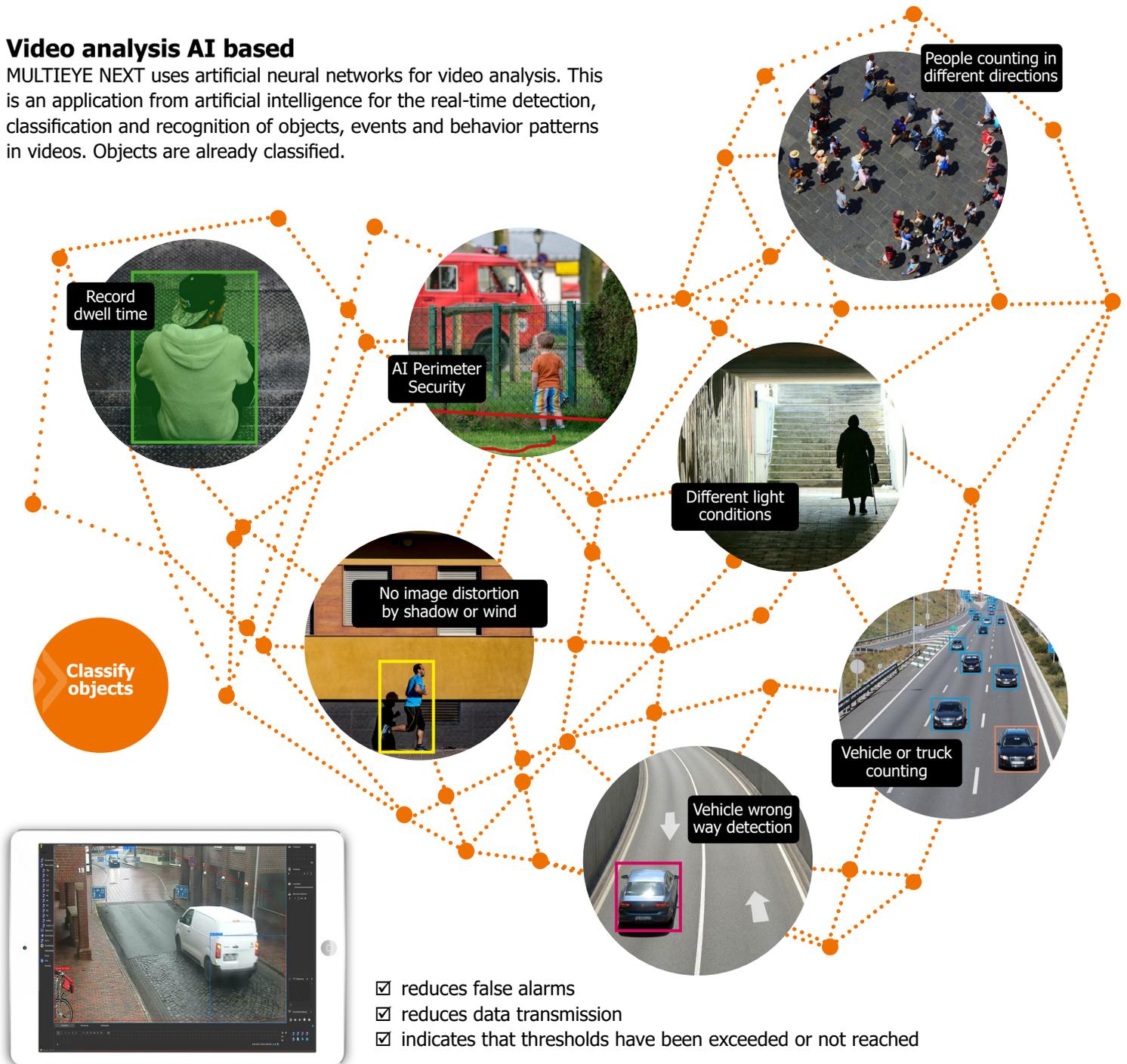
With the MULTIEYE NEXT app, the camera and microphone integrated in smartphones/tablets can be used as a mobile surveillance camera. The video streams are transmitted encrypted by the mobile devices directly to the MULTIEYE NEXT video server, visualized and recorded there. The current GPS position of the mobile user can be seen on the integrated map of the video center. With the new MULTIEYE NEXT video system generation, a variety of smartphones can be used in addition to stationary video cameras. The max. number of channels depends only on the size of the video servers and usable communication bandwidth. During transmission, the MULTIEYE NEXT system ensures low latency, data protection and data security.

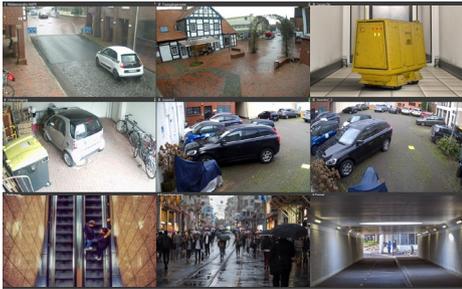


Smartphone-
integration

Video analysis AI based

MULTIEYE NEXT uses artificial neural networks for video analysis. This is an application from artificial intelligence for the real-time detection, classification and recognition of objects, events and behavior patterns in videos. Objects are already classified.





Multi-track view



Recognition e.g. of person, car, bicycle

**High
detection rate
with Deep
Learning**

Basic network functions

- ☑ Neural detection of 8 different object types
- ☑ People, cars, trucks, cyclists, trains are included in the basic software
- ☑ Highest detection rate based on Deep Learning method
- ☑ Enables intrusion protection in definable zones
- ☑ Enables the detection of the direction of travel and walking of vehicles and persons
- ☑ Enables the detection of broken down vehicles and persons
- ☑ Detection of slow moving or stopped vehicles in defined zones
- ☑ Object counting of object types in definable zones and directions
- ☑ Reduction of false alarms through AI-based video analysis
- ☑ No influence of weather and/or abrupt light changes

**LPR
optional**

License plate recognition LPR

MULTIEYE NEXT can optionally be equipped with license plate recognition. The LPR Engine is an extension module for extremely fast and reliable recognition of license plates. It can be used with any edition and is fully integrated with Event Management. Many dozens of different national and other LP systems are supported.

Detection and recognition settings

- ☑ Select cameras for recognition, edit license plate lists
- ☑ Selection of national or other LP systems, facility priorities and Reliability Level, Advanced Settings
- ☑ Set up event sources, set up event scenarios



MULTIEYE Technical Services

We offer a number of services:

- ☑ Service and support packages for MULTIEYE products
- ☑ Extended warranty for MULTIEYE products
- ☑ Project planning support
- ☑ On-site implementing support by a technician
- ☑ Factory pre-configuration of recorders and cameras
- ☑ Training/workshops/seminars
- ☑ Special developments

About artec technologies AG

Since the year 2000 artec technologies AG stands with its MULTIEYE products for groundbreaking innovations in of video surveillance. With the introduction of the first PC-based DVR-Kit at the beginning of 2000, the first hybrid DVR kit, the video recorders in 2002 set standards early on. Since the foundation of our company, the focus of our efforts has been on our customers with their diverse projects and different requirements. We offer a wide range of MULTIEYE products in combination with selected accessory components, individual consulting and first-class project planning, support and on-site service. Meeting the daily requirements is our greatest motivation. We look forward to continuing to provide you with our products in the future, system solutions and our service.

Presented by:

