

MULTIEYE® GreenWatch NVR Network Video Recorder

GreenWatch NVR recorders are available with 8 or 16 IP-video channels and is the ideal product for demanding surveillance applications in smaller facilities. It is characterised by user-friendliness, functionality and efficient operation. The GreenWatch recorder can process image data rates of up to 1.200/300 Megapixel/s and thus is well suited for applications in connection with megapixel cameras. To enable the easy integration of network cameras, the software supports more than 1.000 of the most common IP cameras and video servers from more than 100+ different manufacturers. This enables fast and uncomplicated adaptation.

Thanks to its high functionality and productive efficiency, the GreenWatch recorder is a real all-purpose device, suitable for outdoor/shop surveillance in petrol stations, outdoor/indoor protection of a craftsman's workshop, for a branch office or a private house - for a new installation or an integration into an existing digital surveillance system. The recorders feature a modular construction, are scalable and easy to modernise and thus represent a low-risk investment for your customers.

The GreenWatch recorders' basic configuration already features video monitor and alarm management. Several users may simultaneously access the live data as well as recorded data by means of PC, notebook, Smartphones/Tablets via Apps (iOS/Android based) and through various networks/bandwidths.

Several MULTIEYE recorders - in connection with the VideoCenter III - can be expanded to a large-sized system with 1000+ cameras.

Features Network Video Recorder Type GreenWatch

- 8 or 16 channel network video recorder
- 1 or 2TB storage capacity, optional up to 4TB
- Recording frame rate up to 480 fps*
- Image processing data rate up to 1.200/300 MPixel/s**

Basics

- Easy to use and well-structured
- Scalable through a number of software and hardware modules and licenses
- Quadplex® operation
- Support of common IP cameras and video servers from more than 100 manufacturers
- Support of video codecs: JPEG, MJPEG, MPEG-4 and H.264
- Future-proof: support of IP cameras with up to 20 MPixel resolution
- Incl. Shell module
- Motion Detection, camera independent
- Private-zone masking support
- Hot-zone megapixel zooming during live monitoring, replay, controllable by mouse or joystick
- Alarm inputs and relay outputs: in combination with recorder IO-upgrade, IOs of network cameras/video, IO-server
- User administration: clearly arranged, versatile configuration, supports the "four-eyes" principle
- LiveUpdater: convenient software updates via internet

Live monitoring and remote surveillance

- Programmable multiscreens with hot spot monitor
- Multimonitor support
- Remote surveillance with bandwidth throttle optimization, perfect for megapixel operation
- PDA ready (without additional software or plug in)
- ImmerVision IMVI-1/3 panamorphic lens support: distortion-free live display and recordings, supporting quadview and digital PTZ

Recording / replay / analysis

- Multifunctional storage management, choice between dynamic or static recording modes
- Pre-alarm, post-alarm and suspicious alarm recording
- Event-driven recording by motion detection, timer operation, alarm inputs, keywords, data interface
- Replay by MultiPlayer, NetworkPlayer, Webbrowser. Simultaneous playback, keyboard-, joystick-, jog shuttle support, 1,2,3 and 4-fold display, wide range of search criteria



- Smart Search, ultrafast evaluation and analysis of video footage with "MotionSearch", "MotionTrack" and "Motion Histogramm" functions

Reliability / security / service

- High operational stability through software and hardware watch dogs, crash recovery, video/signal loss detection, Shell
- Digital watermark in videos and snapshots
- Alarm, status and routine messenger via email, ICQ, Net-Send or via alarm contact, data interface
- S.M.A.R.T surveillance of hard disks
- SystemRestorer for storing and recovery of MULTIEYE configurations, with camera reference snapshot function
- ServerWatch as diagnostic and system tool

Interface

- Data interface via TCP or COM for IO servers, cash registers/cash machines, video sensors, barcode scanner, ZUKO, EBÜS, facility management etc.
- Multilingual support available in several languages, direct switching to other languages

Technical specifications

- Channels: 8/16 or 16 IP video channels
- Alarm inputs and relay outputs: optionally over EX-IO Server
- Video container format: AVI
- Recording frame rate: max. 200/480 fps*
- Image processing data rate: 8/16-channel recorder: 480/120 MPixel/s**, 16-channel recorder: 1.200/300MPixel/s**
- Image resolution with up to 20 MPixel per IP video channel
- Monitor output: DVI-1, HDMI, display port
- Serial connection: RS-232
- Ethernet (RJ45) 1x Gbit/s
- 3x USB 3.0, 4x USB 2.0, 1x SATA, 1x FireWire
- Software: MS Windows® 7 Home prem. and MULTIEYE-NET incl. NetworkPlayer, IP-HD
- Hard disks: 8-channel recorder: 1 TB, 16-channel recorder: 2TB
- Housing: Desktop (WxHxD): 240x210x375 mm
- Weight: ca. 7,3 kg
- Voltage supply: 110-230 VAC (auto full range), 50/60 Hz
- Power consumption: max. 80 W
- Operating ambient temperature: +10 - +35°C. Humidity: 5-70% non-condensing
- Compliance/certification: CE, EN, RoHS
- Warranty 2 years (3 years optional)

* depending on camera resolution, IP-video codec, frames per second, number and kind of remote monitoring connections.

** Mpixel/second represents a value for image-processing speed. The values stated refer to the processing and encoding of image data of H.264 streams with 2 i-frames/s with/without recorder monitor, sufficient numbers of hard discs for video data and GBit/LAN without live monitoring and/or remote access. Other values apply to the processing of other codecs such as MPEG-4, MJPEG, transcoding of streams, recorder live display, and remote access.

Extensions

A number of software modules is available for the realization of customized sector and business specific solutions. These include upgrading licenses, software modules like PeopleCounter, AutoBackup, Shell, VideoCenter III, DataLog, NetworkPlayer, PrivacyShield, ANPR number plate recognition, SDK

Scope of delivery

GW2100 8-channel MULTIEYE GreenWatch NVR Network Video Recorder

GW2102 16-channel MULTIEYE GreenWatch NVR Network Video Recorder

Accessories and extensions

GW0902 2TB Harddisk Upgrade

GW0904 4TB Harddisk Upgrade

810151 NetworkPlayer license

NG2003 Warranty extension to 3 years

NG2004 Service package MULTIEYE