

## MULTIEYE® SmartWatch NVR-Recorder

*With more power and HD module*

The compact SmartWatch NVR recorder with 4 channels is the ideal product for demanding surveillance solutions in smaller projects. It is characterised by user friendliness, functionality and efficient operation. The SmartWatch recorder can process image data rates of up to 240 megapixels per second and thus is well suited for applications in connection with megapixel cameras. To enable easy integration of network cameras, the software supports more than 800 of the most common IP cameras and video servers from more than 80+ different manufacturers. This enables fast and uncomplicated adaptation. Thanks to its high functionality and productive efficiency the SmartWatch recorder is a real all-purpose device. It is suitable for surveillance applications in gas stations, small production facilities, retail stores or private premises. The recorders feature a modular construction, are scalable and easy to modernise and thus represent a low-risk investment for your customers. The SmartWatch 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, iPad or PDA and through various networks/bandwidths. Several SmartWatch recorders can be cascaded to large size system and managed from a central location with the VideoCenter III Management Software.



### Features

- 4-channel network video recorder
- 500 GB storage capacity
- Recording frame rate of 100fps max.\*
- Image data processing rate of 240 Mpixel/s max.

### 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 80 manufacturers
- Support of video codecs: JPEG, MJPEG, MPEG-4 and H.264
- Future-proof: support of IP cameras up to 20MPixel resolution
- Motion Detection, camera independent
- Private-zone masking support
- Hot-zone megapixel zooming during live monitoring and 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
- Software update: conveniently through MULTIEYE LiveUpdater 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, auto-record, 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
- Configuration report

### Interface

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

### Technical specifications

- Channels: 4x IP video
- Alarm inputs and relay outputs: optionally over EX-IO Server
- Video container format: AVI
- Recording frame rate: 100fps\* max.
- Image processing data rate: 240 MPixel/s\* max.
- Image resolution up to 20 MPixel per IP video channel
- Monitor ports: 1x DVI-1, 1x HDMI und 1x Displayport
- Ethernet (RJ45) 1x Gbit/s
- 2x USB 3.0 + 6x USB 2.0 Ports
- Software: MS Windows® 7 Home and MULTIEYE-NET incl. NetworkPlayer and Shell
- Hard disks: 500 GB (up to 2 TB optional)
- Housing (BxHxD): 220x130x327mm
- Weight: ca. 4,1 kg
- Voltage supply: 110-230 VAC (auto full range), 50/60Hz
- 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)
- **Extensions:** A number of software modules are available for the realisation of customised sector and business specific solutions. These include upgrading licenses, software modules like AutoBackup, Shell, VideoCenter III, DataLog, NetworkPlayer, PrivacyShield, ANPR number plate recognition and PeopleCounter.

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

### Scope of delivery:

SW2000 MULTIEYE SmartWatch NVR Video Recorder

### Accessories and extensions:

NG1003 REC NetworkPlayer, software and server license  
 NG2001 Warranty extension to 3 years  
 NG2004 Service Package MULTIEYE  
 SW0901 SmartWatch Upgrade to 1 TB HDD  
 SW0902 SmartWatch Upgrade to 2 TB HDD