MULTIEYE® SmartWatch NVR Network Video Recorder

The compact SmartWatch NVR recorder with 4 channels is the ideal product for demanding surveillance solutions in smaller facilities. It is characterised by user friendliness, functionality and efficient operation. The SmartWatch recorder can process image data rates of up to 80 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 500 of the most common IP cameras and video servers from more than 80 different manufacturers. This enables ultra-fast and uncomplicated adaptation.

Thanks to its high functionality and productive efficiency the SmartWatch 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 as 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 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/band widths. Several SmartWatch recorders - in connection with the VideoCenter II - can be expanded to a large-sized system with 1000+ cameras.

Features
- 4-channel network video recorder
- 500 GB storage capacity
- Recording frame rate max. 100 fps*
- Image processing data rate max. 80 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 80 manufacturers
- Support of video codecs: JPEG, MJPEG, MPEG-4 and H.264
- Future-proof: support of IP cameras up to 1,3MPixel resolution
- 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
- 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 lense 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 Seach, ultrafast evaluation and analysis of video footage with "MotionSearch", "MotionTrack" and "Motion Histogramm" functions

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artec technologies AG | Mühlenstraße 15-18 |D-49356 Diepholz | www.artec.de | office@artec.de | T. +49 5441 5995-0 |F. +49 5441 5995-70

Reliability / security / service
- High operational stability throug 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

Interface
- Data interface via TCP or COM for IO servers, cash registers/cash machines, video sensors, bar code scanner, ZUKO, 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: max. 100 fps*
- Image processing data rate: max. 80 MPixel/s*
- Image solution up to 1280x1024 Pixel (withIP-HD license up to 20 MPixel per IP video channel)
- Monitor output: 1x VGA
- Serial connection: RS-232
- Ethernet (RJ45) 1x Gbit/s
- 4x USB; PS2 for mouse & keyboard
- Software: MS Windows® 7 -> XP Prof. and MULTIEYE-NET incl. NetzworkPlayer and Shell
- Hard disks: 500 GB
- DVD-RW drive
- Housing: Desktop (WxDxH): 351x136x386 mm
- Weight: ca. 8 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.

Extensions
A number of software modules is available for the realisation of customised sector and business specific solutions. These include upgrading licenses, software modules like AutoBackup, Shell, VideoCenter II, DataLog, NetworkPlayer, PrivacyShield, ANPR number plate recognition, SDK

Scope of delivery
NG0404 4 channel 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