

MULTIEYE[®]-HYBRID BUSINESS Video Recorder

The new MULTIEYE-HYBRID BUSINESS video recorder is now even more powerful and, in addition, includes a highly efficient video board which enables a total recording rate of up to 960fps, with up to 480fps for analog cameras. The main characteristics of the MULTIEYE-HYBRID video recorders of the BUSINESS series are user friendliness, functionality and economy. They can process analog cameras and IP cameras simultaneously. The basic version features 32 camera inputs of which 8 analog video inputs and two IP-video inputs are initially activated. Through software licences, additional inputs - whether analog and/or IP - may be activated easily and without complication. Through in-factory modifications, the recorder can be delivered with up to 32 analog inputs.



Now with more IP-video inputs, free of charge

The recorder can process image data rates of up to 1.200/300MPixel/s and is thus perfectly suited for applications in connection with megapixel cameras. For the integration of network cameras, the software supports more than 1000 of the most common IP cameras and video servers from 100+ different manufacturers. This allows for fast and uncomplicated adaptation.

Thanks to their high functionality and performance, BUSINESS video recorders are particularly suited for almost all types of video surveillance applications in both the professional and industrial sectors. They feature modular construction, are scalable and easy to modernise, and thus represent a low-risk investment for your customers.

The MULTIEYE recorders' basic configuration already features video monitor and alarm management. Several users may access the live and remote monitoring as well as recorded video data via PC, notebook, iPhone/iPad or PDA simultaneously and through various band widths. Several MULTIEYE recorders - in combination with the VideoCenterIII - can be combined into a large-sized system with 1000+ cameras.

MULTIEYE-HYBRID BUSINESS video recorders are also available in a version that conforms to prerequisites for usage in banks and financial institutions ("UVV-Kassen" conformity).

Features BUSINESS Hybrid Recorder

- 32-channel hybrid video recorder, of which 8 analog and 2 IP-video input are activated: expandable through licenses as well as in-factory hardware upgrades.
- Maximum of 12TB storage capacity
- 1(2) video-monitor output(s) for analog cameras
- 960fps* maximum recording frame rate, a max. of 480fps* for analog
- 1,200/300 MPixels/s** max. image processing data rate

Basics

- Simple and well-structured operation
- Expandable through a variety of software and hardware modules as well as licenses
- Quadplex[®] operation
- Support of common IP cameras and video servers from over 100 manufacturers
- Support of video codecs JPEG, MJPEG, MPEG-4 and H.264
- Future-proof: support of IP-cameras with up to 20MPixel resolution
- Motion detection, camera independent
- Private-zone masking
- Hot-zone megapixel zooming during live monitoring and replay, controllable by mouse or joy stick
- Alarm inputs and relay outputs, support of network cameras / video servers, IO servers, or in combination with recorder IO-upgrade
- User administration: clearly structured, versatile configuration, supports the "four-eyes" principle
- LiveUpdater: always keeps the MULTIEYE software up to date

Live monitoring and remote surveillance

- Programmable multiscreens with hot-spot monitor
- Multimonitor support
- Remote surveillance with scaleable bandwidth, optimized for megapixel operation
- iPhone/iPad/PDA ready (without additional software)
- ImmerVision IMVI-1/3 panorama lens support with automatic, distortion-free, live display / recordings, and virtual PTZ function

Recording/replay/analysis

- Multifunctional storage management, choice between dynamic or static recording modes
- Pre-alarm, post-alarm and suspicious-alarm storage
- Event-driven recording by motion detection, timer operation, alarm inputs, data interface
- Replay by MultiPlayer, NetworkPlayer, web browser, simultaneous playback, keyboard-, joystick-, jog shuttle support, 1 to 4-fold display, wide range of search criteria
- Smart search, ultrafast evaluation through integrated video analysis via "MotionSearch", "MotionTrack" und "Motion Histogram" functions

Security/service

- High operational stability through soft- and hardware watch dogs, crash recovery, video loss detection, shell. Optionally by RAID1 and/or redundant power supply
- Digital watermarks in videos and snapshots
- Alarm, status, and routine notification by Email, ICQ, Net-Send or via alarm contact, data interface
- S.M.A.R.T monitoring support
- SystemRestorer for storing and restoring the MULTIEYE system configuration incl. reference image camera snapshot function
- ServerWatch as diagnostic and system tool

Interfaces

- Data interface through TCP or COM protocol for IO-server, cash/ATM, video sensors, barcode scanner, access control, EBÜS control center, facility management systems etc.
- Multilingual support, available in several languages, direct changeover to other languages
- "UVV--Kassen" conforming version available

Technical specifications

- Channels: 32, of which are activated: 8 x analog, 2 x IP video inputs, expandable by software license up to max. 32 channels, of which 16 are analog. Through in-factory hardware upgrade, expandable up to 32 analog video inputs
- 1(2) video output(s) (FBAS), for analog cameras only
- Alarm and relay outputs, optional
- Video container format: AVI
- Recoding frame rate: max. 960fps*; analog up to 400/480fps@CIF; 200/400fp@2CIF, 100/120fps@4CIF
- Image processing data rate: max. 1.200/300 MPixel/s**
- Image resolution: up to 20MPixel per IP-video channel
- Monitor output: 1 x VGA + 1 HDMI, up to 4 x VGA/DVI expandable by option
- Serial connection: 1x RS-232 and RS-485
- Ethernet (RJ45): 2 x Gbit/s
- 6 x USB; PS2 for mouse and keyboard
- Software: MS Windows® 7 Prof. and MULTIEYE-NET incl. NetworkPlayer, IP-HD and Shell
- Hard disk: One internal for O/S and application software, up to 12TB for video data, optional selection
- Drive bays for exchangeable hard drives: 3 x 5 ¼"
- Optional redundancy: RAID Level1 for OS/MULTIEYE software and/or dual power supply
- DVD-RW writer
- Housing: 19", 4HU industry rack with 3 drive bays, dimensions (WxDxH): 430x530x176 mm, lockable front panel
- Weight: approx 25 kg
- Voltage supply: 100-240VAC (auto full range) , 50/60Hz, Power consumption: 130W
- Operating ambient temperature: +10 - +35°C. Humidity 5-70% non-condensing
- Compliance/certification: CE,EN, RoHS
- Standard warranty 2 years (3 years optional)
- Expansion: A number of software modules is available for the realisation of solutions customized for specific sectors and businesses. These include upgrading licenses, software modules like AutoBackup, Shell, VideoCenter III, DataLog, NetworkPlayer, PrivacyShield, PeopleCounter, ANPR number plate recognition, SDK

* 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 in or of H.264 streams with 2 i-frames/s without/with recorder monitor, sufficient numbers of hard discs for video data and GBit/LAN . Other values apply to the processing of other codecs such as MPEG-4, MJPEG, transcoding of streams and remote access. Please contact support@multieye.de

Scope of delivery

NG0210 10/32 channel MULTIEYE-HYBRID BUSINESS Video Recorder

Accessories and extensions

NG1502 REC HDD 1TB hard disk for video data
 NG1503 REC HDD 2TB hard disk for video data
 NG1506 REC HDD 4TB hard disc for video data
 NG1050 REC EX-L4, license for activating 4 addtl. analog video inputs
 NG1057 REC EX-16 17/32 hardware upgrade with 8 add. video inputs activated analog channels
 810162 IP1, license for activating 1 add'l IP-video input

810161 IP4, license for activating 4 add'l IP-video inputs
 NG1600 REC RAID1 250 GB for OS
 NG1053 REC IO, 8 alarm inputs and 2 alarm outputs
 810151 NetworkPlayer license
 NG2001 Warranty extension to 3 years
 NG2004 Service Package MULTIEYE