MULTIEYE® DVR KITS

MULTIEYE®-HYBRID Digital Video Recorder Kits 4-32 Channels

With MULTIEYE®-HYBRID DVR kits, highly professional digital video recorders can be created. MULTIEYE® software supports the simultaneous operation of both analog and digital camera technologies in one system. Up to 32 analog and IP video cameras can be combined and operated with each other in one recorder as desired. Yet the integration of IP cameras is just as simple as setting up analog cameras.

With MULTIEYE®-HYBRID, special emphasis has been placed on easy, clear operation, high image quality, operational security and options for subsequent expansion. MULTIEYE®-HYBRID provides a multifunctional, highly innovative video recorder and management system. Because of its modular construction, it can be modernized and adapted to specific customer requirements at any time.

Express installation with Plug & Play

After the PCI video board and the software have been installed and the cameras connected, the system is immediately ready for operation. This is made possible by the combination of the functionality of modern PCs and servers with the innovative hardware and software of the HYBRID-DVR kits.

Highlights:

- Up to 32 analog, IP video and audio inputs
- Modular software and hardware architecture
- Quadplex operation
- Support of JPEG, M-JPEG, MPEG-4 and H.264 IP video codecs
- Recording rates up to 300 fps/ips through DirectStream technology
- Support for all common network cameras and video servers from over 75 manufacturers
- Future security: up to 20 Mpixel image size per IP Video input
- Zooming during live operation and/or playback
- Motion detection for all channels
- Support for NAS servers
- Multifaceted remote polling and configuration
- PDA ready (without additional software)
- Fast evaluation of events through MotionSearch und MotionTrack
- Interfaces to cash-points, IO servers, video sensors, control stations, access controls
- BDV cash certified

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Item code.	Description
810100	5/32 Channel DVR 425 STARTER-KIT*
810000	5/32 Channel DVR-Kit 1625*
810110	5/32 Channel DVR-Kit 1650*
810061	9/32 Channel DVR-Kit 1650/8*
810120	5/32 Channel DVR-Kit 16100*
810071	9/32 Kanal DVR-Kit 16100/8*
810075	9/32 Channel DVR-Kit 16200/8*
810080	25/32 Channel DVR-Kit 32100/24*
810161	IP-4 license, key for activation of/up to 4 additional IP video channels.
810162	IP-1 license for activating an additional IP video input
810163	IP-HD Modul, license key for enabling usage of Multi-Megapixel IP cameras with resolution > 1.4 Megapixel, for all NVR, Business and Enterprise recorders.

Technical data

DVR-Kit Typ	425	16100	32100
Article no.	810100	810120	810084
Analog video inputs, activated	4	4	8
Expandable to	-	16	32
IP video input, (expandable through IP-4 to 4/8 etc.)	1	1	1
IP video channels expandable to	28	28	24
ips analog PAL/NTSC	25/30	100/120	100/120
MPixel/s* up to	120	95	90
Audio inputs	1	4	4
Connectors for expansion boards EX-4	-	3	-
Connectors for EX-IO boards	-	2	2
Dimensions H x L in mm	95 x 122	110 x 192	105 x 193
PCI voltage	+5V		

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General	
Maximum inputs	Up to 32 analog, analog and IP
Analog video inputs	BNC, 1Vss, 75 ohm termination deactivation possible, video norm: PAL or NTSC
IP video channels	Transmission codecs: JPEG, M-JPEG, MPEG-4 or H.264
Monitor output analog	Via BNC output per RCA adapter
Alarm inputs, outputs	Optionally via EX-IO boards or EX-IO servers
Codecs (software compression)	JPEG, M-JPEG and MPEG-4, adjustable for each camera, compression infinitely variable
PTZ control	Serial and IP, control via popup menu, keyboard and/or triaxial joystick
Audio	Lip-synchronized recording, independent of the recording rate configuration *2
Analog image resolution	CIF, 2CIF, D1 / 4CIF, adjustable for each camera
Image resolution IP video	Standard up to 1.4 mil. Pixels, expandable through IP-HD module up to 20 Mpixels per IP video input
Live Monitoring	Through 8 programmable multiscreens
Text Overlay	Time, date, free text up to 50 characters, freely positionable, font size & type variable
Data imprint and recording	For POS, ZUKO etc. optionally with up to 10 lines á abt. 40 characters
Motion Detection	Matrix with up to 2304 individual fields, unlimited number of fields selectable
Weekly timer	Adjustable per camera, continuous, motion detection, no recording
Playback	1 – 4 fold display, simultaneous or synchronous playback
Search criteria	Date, time, motion detection, MotionTrack, MotionSearch (image area search), motion histogram
Video outage recognition	For analog and IP video sources, acoustic and optical messages, via network as well
Video Export	In AVI format, single or several videos with internal player for external playback
Snapshots	In BMP or JPEG format
Authentication	Digital certification through invisible watermark in exported image
Ring-storage management	Dynamic or static recording, up to 24 harddrives/partitions, NAS, SAN
Password protection	Multilevel password protection, freely definable user groups with individual rights, also true “four-eye principle”
Remote polling	Via browser without plugins, LiveViewer with popup display and optical and acoustic alarm, NetworkPlayer for network-based analysis and playback, VideoCenter II optional
Remote maintenance and configuration	Via MULTIEYE® RemoteControl function (MRC)

**Megapixels/second represents a value for image processing speed. The values stated refer to the processing and encoding of image data in or of M-JPEG Codecs. Other values apply to the processing of other Codecs such as MPEG-4, H.264, transcoding of streams, recorder live display and remote monitoring. Calculation tables are available for dimensioning network-based video surveillance. Please contact our support personnel for exact planning.
Number of data hard drives necessary:
You need approximately 0.1 MB/s per MPixel/s for the storage of M-JPEG data, and about 0.025 MByte/s per MPixel/s for MPEG-4 data. For every 10 MByte/s of video data to be stored, we recommend an additional hard drive.
Unlimited demo-license

*2 Telephone quality (8kbit resolution / 8kHz sampling rate) and rate of synchronicity/consitency, depending on used number of channels

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