MULTIEYE® DVR KITS

MPEG 4 DVR kits with on-board compression for real-time recording with D1/4CIF

With MULTIEYE®-HYBRID DVR kits, highly professional real-time digital video recorders can be created. MULTIEYE® software supports the simultaneous operation of both analog and digital camera technologies with recording rates up to 800 ips. Up to 32 analog and IP 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.

MPEG-4 ASP@Level 5

This codec offers the highest possible compatibility with other video systems and is provided with all the features necessary for optimal MPEG-4 videos.

Express Setup with Plug & Play

After the PC 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 functionality of modern PCs and servers in concert with the innovative hardware and software of the HYBRID-MPEG-4 DVR kits.

Highlights:

- Up to 32 analog, IP video and audio inputs
- Real-time operation through MPEG-4 ASP hardware codec
- Modular software and hardware architecture
- Quadplex operation
- Support of JPEG, M-JPEG, MPEG-4 and H.264 IP video codecs
- Recording rates up to 800 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
- Remote polling und remote 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

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Article-no.	Description
810087	5/32 channel DVR-Kit MP8200/4*
810088	5/32 channel DVR-Kit MP8200/4EX*
810089	9/32 channel DVR-Kit MP8200*
810090	9/32 channel DVR-Kit MP8200EX*
810091	17/32 channel DVR-Kit MP16400*
810092	25/32 channel DVR-Kit MP24600*
810093	32 channel DVR-Kit MP32800*
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	MP4100	MP8200	2x MP8200	3x MP8200	4x MP8200
Article no.	810087	810089	810091	810092	810093
Analog video inputs, activated	4	8	16	24	32
IP video input (expandable through IP-4 to 4/8 etc.)	1	1	1	1	1
IP video channels expandable to	28	16-28	16	8	-
ips analog PAL/NTSC max.	100/120	200/240	400/480	600/720	800/960
MPixel/s*	100	80	40	20	-
Audio inputs	4	8	16	24	32
Board type and number	1xPCI	1xPCI	2xPCI	3xPCI	4xPCI
Connectors for EX-IO boards	2	2	4	6	8
Dimensions H x L in mm	110mm x 245mm				
PCI voltage	+3,3V, +5V-12V				

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General	
Max. 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	Via BNC output per RCA adapter
Alarm inputs, outputs	Optionally via EX-IO boards or EX-IO servers
Codec	MPEG-4 ASP@Level 5, JPED and M-JPEG. Compression infinitely variable
PTZ control	Serial and IP control via popup menu, keyboard and/or triaxial joystick
Audio	MPEG-1 layer II compression, lip-synchronized recording independent of recording rate configuration *[2]
Analog image resolution	CIF, 2CIF, D1 / 4CIF, individually adjustable for each camera
Image resolution IP video	Standard up to 1.4 mil. Pixels, expandable through IP-HD module up to 20 mil. pixels per IP video input
Live Monitoring	Through 8 programmable multiscreens
Text Overlay	Time, date, free text 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, text
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.
All MPEG-4 video boards are compatible with one another and can be implemented together in a recorder.
[2] Unlimited demo-license (by enhancement with IP4, this channel is dropped, Art. no. 810161)

*[2] Allocation to networkcameras not possible

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