

**Digital video hybrid multi channel recorder with 16 video- and alarm inputs, incl. motion, audio and network, without hard disk**

**Art. no. 14509 Model name VC-DVR-HY-HW16/400/400 Version 16-channel DVR / 400x400 pictures/sec.**



**VDE CE EMC**

## Technical datas

Video level	FBAS 1 Vss/75 ohm
TV norm	CCIR, PAL 625 lines, 50 pictures
Resolution (digital)	6,75 MHz (540 lines) 720 x 576 points (better than VHS)
Gray tones	8bit 256 steps
Color scale	24bit 16 millions tones (8bit Y, 8bit U, 8bit V)
Compression procedure	MPEG4
Storage groups	Ring storage / alarm memory
Recording duration	Per hard disk and compression
Display / play description	1, 2, 3, 4, 6, 9, 10, 16-fold / 1, 2, 3, 4-16-fold
Display / recording speed	400/400 pictures/sec.
Searching	Direct searching, alarm, timer, event search
Playback	Pictures/sec., frames
Search criteria	Date, time, individual alarm messages, high speed search etc.
Signal s/n ratio	> 62 dB
Synchronisation	Internal
Programming	Local or remote
Alarm inputs / outputs	16 x (normally open contacts / openers) / 4
Alarm history	Yes
Operating temperature	5 ° to + 40° C
Mission conforms	EN 50081-1, 55011 class B
Interference resistance	EN 50082-2, 50204, 61000-4
Safety	EN 60950, 60065
Safety class	IP - 40
Connections:	
Video	16 x BNC inputs, 1 x BNC output, 2 x VGA output
Audio	2 about onboard (stereo)
Voltage capacity	230V AC
Dimensions (D x H x T)	485 x 180 x 470 mm
Weight	18,5 kg

## Accessories

Max. 4 x 500GB internal, HDD hard disk, optional externally RAID Rack  
POS-Adapter (art.no. 14518) as memory connection

## Software



### Mainsoftware ( Server ) :

1. 16 alarminputs
2. Searchfunction easy to use Calendar and day hour minute timebar with colored recording information Panorama and motion search ( Smartsreach ) Test search if the RS 232 text inserter is used Bookmarkfunction for easy refind
3. Actions from Motion, Alarminput, videoloss :
  - e-Mail alarm
  - 4 Dome can go to a preset position
  - Popup
  - Remotepopup
  - CCTV screen popup
  - bookmark
  - speaker output
  - Relayoutput
  - Call a phone ( optional modem is required )
4. 16 channel split screen Video output 1 VPP at 75 Ohm
5. PTZ function to control a PTZ camera from local or remote
6. remote notification ( popup ) with schedule
7. schedule function :
  - continue record
  - motion record
  - alarm record
  - alarm and motion record
  - remote notification
8. different settings for the compression, you can set different compression for recording and for Transmission over TCP/IP !
9. Watchdogfunction
10. According to demand cameras Kameras could be covered that only certain user would have access
11. Auto FPS. If you use the motion or alarm recording the DVR will automatically set the maximum frame rate.
12. different frame rates, resolution and compression ( both ) can be programmed for each camera
13. pre and post alarmfunction
14. automatic backup function with calendar and camera selection, will also work with a Network drive if you use a optional 1Gbit LAN.

### MULTI Clientsoftware :

15. Multi connection up to 72 camera from until 72 locations (DVR) 2 VGA monitors with a 2 channel VGA cards are required. Different users can set itsown connection configuration to startup.
16. POP-up if an alarm is being received.
17. PTZ over the Internet and intranet
- 18 Search and download function

### Webclient access over inter explorer without any software :

19. - Live viewing
- Searchfunction with time-bar and coloured recording information
- Download Videofiles from the DVR
- Save Vieofiles as \*.avi file
- PTZ control

### POS function :

20. The DVR has a built in RS 232 interface to receive data from any device transmitting data over the RS 232 interface or over a network interface. A Software to setup the incoming data is included, the data will be written to a database. Later you can easy search by text and the DVR will display the data from the interface and the images ( Video 9 from the same time). The data from the interface can be superimposed on the camera.
- Until 16 interfaces can be connected to one DVR ( optional RS-232 interfaces required ) With the optional POS BOX from VC you can also capture data from a printer port and the pos box will also change to RS-232 data to RS-485 data so you are able to connect the DVR 1000 meter to a interface. and many more great functions !!!