

## Eye-Watch DVR 4-48 Ch DVR Hardware Compression DVR Boards



Eye watch DVR is a next generation of PC base DVR system,for to long PC based DVR systems have been developed with Mpeg4 based compression.Whilst in the early days this was a big step forward as the PC base DVR has evolved this is no longer the way to go, main problems with Software compression include pixilated images,Video interlace when there is movement through image, CPU Overload and Stability.

H.264 compression cards take all the pressure of CPU as it uses hardware and not software to compress image and that also increases image quality as hardware compression offers Full D1 704 x 576 resolution (not mpeg4 based 640 x 480 with video interlacing when images move).Below is 2 images showing the differences in video quality.



**H.264 COMPRESSION**



**Mpeg4 COMPRESSION**

## Main Features:

The image shows two configuration windows. The top window is titled 'CAMERA SETUP' and contains various settings for a camera. The bottom window is titled 'GROUP SETUP' and contains settings for a group of cameras, including a calendar for recording schedules.

**CAMERA SETUP**

Selected Camera: Camera01

Camera Type: PAL | Camera: Enable | Swap File: 50

Choose Bit Rate: VBR | Image Size: 352 \* 288 | Image Quality: Best

Mask Bitmap File: [ ] | FrameRate: 30 | Netsend Pictype: with record

OSD Contrast: Auto | OSD Pos: TL-Corner | Netsend Quality: Best

Record Days: Auto | Camera Description: Camera01 | Copy Setup to: ALL | COPY

**GROUP SETUP**

Selected Group: Group01

Selected Cameras: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25  
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

Pre-Event Record: 5 Sec | Post Record Time: 5 Sec | Record Mode: Video

Normal Record |  Sensor Record |  Motion Record |  Motion or Sensor Record |  Not Record

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SUN																										
MON																										
TUE																										
WED																										
THU																										
FRI																										
SAT																										

-Support Max **48 channels video input and 48 channel audio input.**

-Each channel can be compressed independently in 25fps(PAL) or 30fps(NTSC).

-Smart Search (Search in user defined Zones to save time looking for relevant video)

**-Real time Recording on every channel!!!**

-DSP Hardware Compression Chip.

-Support dynamic IP address.

-Synchronized video and audio.

-H.264 hardware-compression.

-Digital watermark authentication .

-High recording and display resolution ,High image quality (FULL D1 Hardware Compression).

-Motion detection recording ,Schedule recording ,Sensor recording .

-Pre alarm and post alarm recording .

-Multi-channel playback.

-E-Map pop-up on motion or alarm activation.

- No interlacing of image (Like Software compression DVR)

## DVR Search:

The DVR search lets users playback searched data from DVR either single camera or Multi Camera search recorded data is broken down by graph. Smart Search where users can define zones and search within those zones is also supported.

The screenshot displays a DVR search interface with a 2x2 grid of camera feeds. The top-left feed is labeled 'Mon, Feb 27, 2006 PM09:47:29 Camera01' and shows a desk with a computer monitor and a chair. The top-right feed is labeled 'Mon, Feb 27, 2006 PM07:19:24 Camera02' and shows a person in a white t-shirt and red shorts walking in an office. The bottom-left feed is labeled 'Mon, Feb 27, 2006 PM12:23:27 Camera03' and shows a desk with a computer monitor and a chair. The bottom-right feed is labeled 'Mon, Feb 27, 2006 PM07:19:24 Camera04' and shows a person in a white t-shirt and red shorts walking in an office. To the right of the feeds is a control panel with a numeric keypad (1-48), 'Synchro' and 'Smart' buttons, and playback controls. Below the feeds is a time selection interface with 'Hour' and 'Min' sliders and buttons for 'Continue', 'Motion', 'Sensor', and 'Manual'.

## Multi Channel Search

The screenshot displays a Multi Channel Search interface with a single camera feed. The feed is labeled 'Mon, Feb 27, 2006 PM07:19:24 Camera02' and shows a person in a white t-shirt and red shorts walking in an office. To the right of the feed is a control panel with a numeric keypad (1-48), 'Synchro' and 'Smart' buttons, and playback controls. Below the feed is a time selection interface with 'Hour' and 'Min' sliders and buttons for 'Continue', 'Motion', 'Sensor', and 'Manual'.

## Single Channel Search

## DVR Network:

The DVR network function allows users to connect to the DVR remotely using either Client program or Internet explorer. Both live viewing and remote playback is supported via network both local network or using Internet.



**WEB BROWSER INTERFACE (For use on Internet or Lan)**

## DVR CLIENT



## **DVR Specification & Prices:**

### **EW 1000 Series**

4 Channel 120 FPS Display and Recording **\$170 USD**

8 Channel 240 FPS Display and Recording **\$290 USD**

16 Channel 480 FPS Display and Recording **\$600 USD**

Full D1 Display Resolution & CIF Recording Resolution

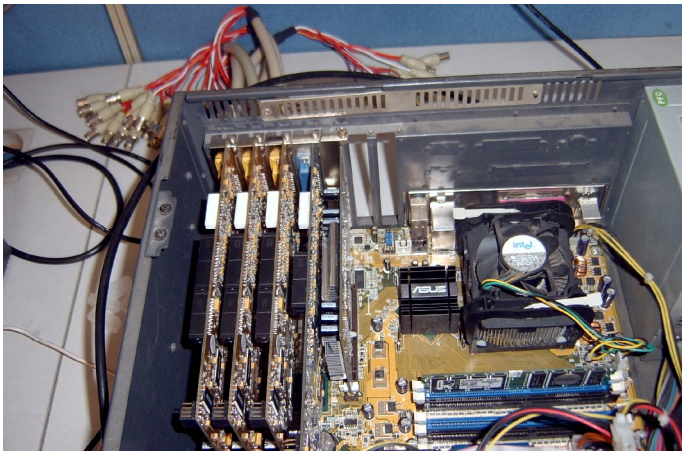
### **EW 2000 Series**

4 Channel 120 FPS Display and Recording **\$200 USD**

8 Channel 240 FPS Display and Recording **\$400 USD**

Full D1 Display Resolution & Full D1 Recording Resolution

All cards can be stacked below diagram is of 48 Channel DVR configuration ( 3 X 16 CH)



H.264 Hardware compression DVR boards CIF resolution of 320 x 240 is equal or above Mpeg4 based 640 x 480 resolution as the DSP chips allows for higher image definition, so the EW-1000 Series is better than 75% of products on the market plus added value of being able to make up to 48 channel recording.

EW-2000 offers full D1 is equivalent to image quality of DVD as it offers full compression, Full d1 is the best image quality on market.