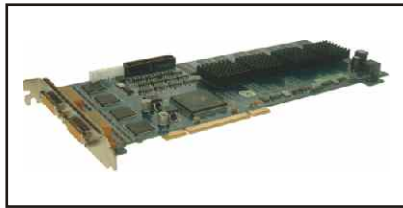
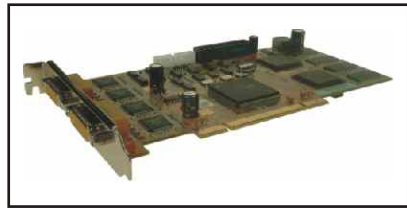


**DIGITAL SURVEILLANCE SYSTEM - H.264 HARDWARE COMPRESSION**

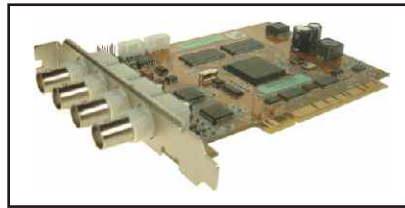
**SUPPORT UP TO 64 VIDEO + AUDIO CHANNELS**



**HEC1xx Series**



**HEC2xx Series**



**HDC2xx Series**

Welcome to the word of H.264

**Introduction**

Telview HEC series is a professional hardware compression DVR board, which adopts most advanced H.264 video compression algorithm and OggVorbis audio compression technology. It uses fully optimized algorithm based on DSP technology to implement video & audio real-time encoding, active video & audio preview and motion detection, etc. Video image is directly transmitted from board to display frame buffer and compressed stream is also directly sent to host memory. The whole transmit doesn't need any intervention of host computer processor, saving resources of host computer's processor greatly. One Personal computer can support up to 64 channels Video and audio input, parameters of each channel can be set independently and will not affect each other.

**What is the difference between Hardware compression and software compression ?**

**Hardware compression**

Both capturing video signal and compressing video signal are done by DSP chipset which integrated on DVR board. It doesn't need the computer's CPU to do this work. It lower the usage of CPU dan RAM resources. In this system the computer CPU's task focus on answering network request, streaming the video/audio to network and saving recorded data to local hard disk.

**Software compression**

The DVR board only capture but doesn't compress it. It is the computer CPU and RAM to do this compression work. It highly utilize the CPU and RAM resources. In this system the computer CPU and RAM are often overloaded. It is easier to crash than hardware compression system.

**What is H.264 compression ?**

H.264 is the latest, the most advanced video compression technology.

H.264 encoding has the advantage of high image quality, low bitrate and low storage requirement, which is suitable for digital video security.

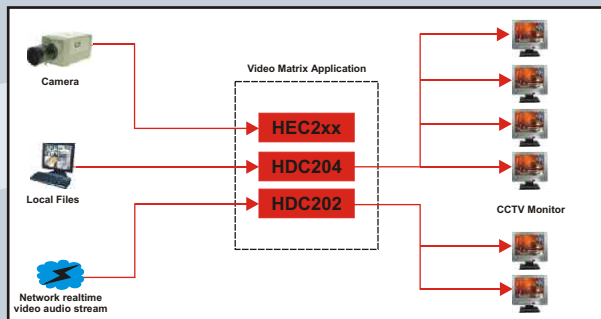
H.264 DVR is a multi-channel, scaleable, expandable, real time, DVD quality, audio and video digital recorders.

Model	HEC108	HEC116	HEC208	HEC216
Video Compression Standard	H.264			
Video Input	8 channels	16 channels	8 channels	16 channels
Audio Input	8 channels	16 channels	8 channels	16 channels
Display Resolution	4 CIF (Real Time)			
Compression Resolution	8 - ch CIF real time	16 - ch CIF Real Time	8 - ch CIF/2CIF real time or 4 - ch 4 CIF real time	16 - ch CIF/2CIF real time or 8 - ch 4 CIF real time
Max. Frame Rate	25 FPS / 30FPS (PAL/NTSC) Per Channels (Real Time)			
Bit Rate	32 Kbps ~ 2 Mbps Per Channels			
Stream Type	Video stream or Video & Audio stream			
Audio Compression	Ogg Vorbis, 16Kbps			
Dual Stream Function	No	No	Yes	Yes
Working Temperature	- 10°C ~ +50°C			
Working Humidity	10% ~ 90%			
System Requirements	OS : Windows 2000 / XP / Server 2003, Redhat 9.0, Fedora 3, Fedora 4, Fedora 5 CPU : Intel series Motherboard : based on Intel 845 / 865 / 915 / 925 / 945 Chipset Memory : 512 MB or Above Display Adapter : Nvidia GeForce Mx400/440/4000 above series, FX 5200/5600 GeForce 6600 above series, Ati Radeon 7000/ 7500/ 8500/ 9000/ 9200/ 9550/ 9600 above series, TI X300/X550/X700/X1300/X1600 above series Intel 845G/ 865G/915G integrated Graphics Controller			

**Introduction to HDC 2xx board series**

HDC2xx series decoder board is the key product to build digital and network matrix. it can be used to decode H.264 streams compressed by HEC2xx series to be analog output.it is a bridge between digital and analog system.

**APPLICATIONS**



Model	HDC202	HDC204
Video Output	2 channels	4 channels
Audio Output	2 channels	4 channels
Video / Audio Decoding	4 channels	8 channels
Decoding Resolution	4CIF/ DCIF/ 2CIF/ CIF/ QCIF	
Decoding Resolution Variation	4 channels	8 channels
Video Display Format	PIP, 4, 16, 13, 9, Full screen logo	
Max Video Resolution	4 CIF, 2 QCIF	
Max. Card in 1 PC	16 ( 64 channels decoding 34 channels output)	8 ( 64 channels decoding 34 channels output)

QCIF PAL : 176x144, NTSC : 176x120.  
(CIF) PAL : 352x288 , NTSC :352x240  
(2CIF) PAL : 704x288, NTSC :704x240  
(DCIF)PAL : 528x384, NTSC : 528x320  
(4CIF) PAL : 704x576 , NTSC : 704x480

**SUPER LOW LUX HIGH RESOLUTION CAMERA**

ST300 - ST300R



Back Panel



Conventional Camera



ST300 - ST300R

**ADVANTAGE OF DNR  
Removes Picture Noises**

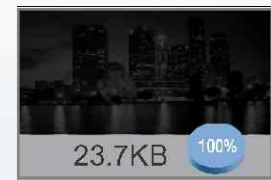


DNR OFF



DNR ON

**Reduces File Size**



DNR OFF



DNR ON

Model	* ST300	* ST300R
Pickup Device	1/3" Super Low Lux Hi Res	
Video Format	NTSC / PAL	
Horizontal Resolution	550 TV Lines	
Sensitivity	0.002 Lux/F1.2 (Sens-upx128) 0.25 Lux/F1.2	0.002 Lux/F1.2 (Sens-upx128) 0.25 Lux/F1.2 0 Lux IR on with IR Led
Audio	Yes	
True Day & Night Control	No	Yes
Motion Detection	Off / On (4 Zone, Position/Size/Tone)	
Privacy	Off / On (4 Zone, Position/Size/Tone)	
H. Mirror	Off / On	
Power source	12 VDC, 12VDC/24VAC;100-240VAC	

**WIDE DYNAMIC RANGE CAMERA (WDR)**



ST301WD



Back Panel

**Day and Night switching with ICR**



**The Different Between WDR and BLC**



NORMAL



BLC



WDR

Model	* ST301WD
Pickup Device	1/3" Color Vertical double-density WD ccd
Picture Elements	NTSC : 768 (H) x 494 (V) PAL : 752 (H) x 582 (V)
Horizontal Resolution	480 TV Lines
Min. Illumination	0.1 Lux/F1.2,( D/N on) Color 0.003 Lux/F1.2

**Privacy masking with 8 free areas**



**OSD (On Screen Display)**



**SUPER LOW LUX (EXVIEW) CAMERA**



ST107X  
ST207HX



Back Panel

**DIGITAL CCD COLOR CAMERA**

Model	* ST107X	* ST207HX
Image Size	1/3" B/W EXVIEW HAD Ultra High Sensitivity CCD Camera	1/3" Color EXVIEW HAD Ultra High Sensitivity CCD Camera
Resolution	420 TV Lines	480 TV Lines
Min. Illumination	0.001 Lux/F1.2 AGC ON	0.01 Lux/F1.2 AGC ON
Wavelength Response	400-850nm, infra-red	

**DAY AND NIGHT CAMERA**

Weatherproof Camera / Outdoor Camera with IR



WPC237IR

**DIGITAL CCD COLOR CAMERA**

Model	WPC237-IR
Pickup Element	1/3" Color CCD Image Sensor
Number of Pixel	512(H)x582(V)PAL
Resolution	420 TV Lines
Min. Illumination	0.5 Lux/F2.0;0 Lux IR on
Lens Angle	54
Effective Range	15 M



MDS 200 IR-P

Model	* MDS 200 IRP
Pickup Element	1/3" Color Dome IR Camera
Number of Pixel	512 (H) 582 (V)
Resolution	420 TV Lines
Min. Illumination	0.5 Lux/F2.0 0 Lux IR On
Effective Range	15 M



WHC202-IR

**WEATHERPROOF DAY AND NIGHT WITH IR CAMERA**

Model	* WHC202-IR
Image Size	1/3" Color Weatherproof Housing Camera
Resolution	420 TV Lines
Min. Illumination	0.1 Lux/F1.2 0 Lux IR On
IR Effective Range	30 M