



IP CAMERA

+



ANALOG CAMERA



REMOVABLE HARD DRIVES

UP TO
16 IP BASED
CAMERAS

UP TO
32 ANALOG
CAMERAS

*The HVR Series
offers up to 480 PPS
recording speeds!*

ANALOG AND NETWORK CAMERA RECORDING

- Record up to 16 network based cameras per HVR
- Available in both the 4U and the 5U rack mount chassis for optimal storage capacity
- Available cost-effective internal RAID 5 capability
- 60 / 120 / 240 / 480 PPS models available. (Up to 30 PPS per camera using analog inputs)
- Recording resolutions as high as 720 x 480 for analog cameras and much higher resolutions with network cameras
- Multi-Site SCS software. The SCS software remotely manages 100+ Surveillix® Video Servers allowing you to configure, view, search, export, remotely upgrade, and monitor alarms. Supports multiple monitors for advanced monitoring
- Support for major network video device manufacturers including Toshiba, Sony, Panasonic, AXIS, SecurGen, ACTi, Arecont Vision, Lumenera, and Vantage
- Record up to 16 channels of audio
- Complete remote access. setup control, user administration, video backup, live viewing, and powerful search capabilities

HVR Series

Hybrid Video Recorder

Part Number	HVR			
Video Format	NTSC / PAL			
Analog Resolutions <small>(240/480 pps models)</small>	720x480 (NTSC)	720x576 (PAL)	720x240 (NTSC)	720x288 (PAL)
	360x240 (NTSC)	360x288 (PAL)		
Video Input	BNC x 8, 16			
Video Output	BNC x 8, 16 SVGA x 1 (Monitor Not Included)*			
Recording Rate	480 PPS DVR 480 PPS 360x240 (NTSC) 240 PPS 720x240 (NTSC) 120 PPS 720x480 (NTSC)		120 PPS DVR 120 PPS 320x240 (NTSC) 60 PPS 640x240 (NTSC) 30 PPS 640x480 (NTSC)	
	240 PPS DVR 240 PPS 360x240 (NTSC) 120 PPS 720x240 (NTSC) 60 PPS 720x480 (NTSC)		60 PPS DVR 60 PPS 320x240 (NTSC) 30 PPS 640x240 (NTSC) 30 PPS 640x480 (NTSC)	
Audio Recording <small>(Optional 16 Channel Available)</small>	480 PPS 16ch	240 PPS 16ch	120 PPS 16ch	60 PPS 8ch
	4 yes	4 yes	2 yes	2 yes
Sensor/Alarm Inputs	8	8	8	8
Alarm Outputs	8	8	8	8
PTZ Controls	Internal RS-422 (over 75 protocols)			
Image Compression	Proprietary MJPEG			
Storage Media	Up to 8 Terabytes Internally (RAID 5**)			
LAN	10/100 Fast Ethernet (1000**)			
Average Image Size	720x480	16K	720x240	8K
	360x240	4K		
Critical Recording Archive <small>(Up to 32 channels looping outputs on analog cameras)</small>	DVD Multi Burner			
Password Control	User Defined Access Level			
Power Interruption Recovery	Automatic Restart after Power Interruption/Recording Operation Resumes			
Remote Connection	TCP/IP, UDP, Internet, LAN, WAN, ISDN, PSTN			
Power Input	AC 100~240 V Input (50 Hz/60 Hz)			
Operating System	Microsoft® Windows® XP Embedded			

* SVGA Monitor is required for setup and maintenance.
Specifications subject to change without notice
** Optional Component

The Toshiba Surveillix® HVR series combines the best of analog and digital video into one unit.

With available Internal RAID 5 HDD capabilities and field replaceable Hard Disk Drives, the HVR series is designed to support network based cameras as well as analog cameras. Capable of recording at speeds of up to 480 pictures per second, the HVR offers unmatched versatility.

Each system includes a built-in RS-422 adapter supporting over 75 protocols as well as digital signature verification for tamper detection of exported video.

MAIN FEATURES

- Support for major network video device manufacturers including Toshiba, Sony, Panasonic, AXIS, SecurGen, Lumenera, ACTi, Arecont Vision, Lumenera and Vantage**
- Field Upgradeable, Replaceable HDD Array
- Large Storage Capacities (over 8 TB)
- Designed for Internal RAID 5. RAID 5 offers Data Redundancy and Protection
- Removable HDD Bays for Quick Easy Maintenance
- 2 Way Audio (Remote ↔ Server)
- PAN / TILT / ZOOM Controls (over 75 protocols supported)
- Simultaneous Search, Playback and Backup
- Up to 16 Channels of Audio
- Multiple Levels of Security Access
- Output the Video to an NTSC/PAL Display
- Up to 32 Looping Outputs
- Advanced POS and ATM Support
- Continuous, Motion Detection and Alarm Recording Modes
- Video Signal Loss Detection
- Up to 720x480 / 720x240 / 360x240 NTSC Recording Resolutions

** New cameras are added frequently. Please visit www.toshibasecurity.com for an updated list of supported cameras.

PART NUMBERS

	IP Cameras	Chassis	Storage	Internal RAID 5	Redundant Power Supply
8 Channel (60 PPS)					
• HVR8-60-250	4	4U	250 GB	N/A	N/A
• HVR8-60-500	4	4U	500 GB	N/A	N/A
• HVR8-60-1000	4	4U	1000 GB	OPTIONAL	N/A
• HVR8-60-1500	4	4U	1500 GB	OPTIONAL	N/A
• HVR8-60-2000	4	4U	2000 GB	OPTIONAL	N/A
16 Channel (120 PPS)					
• HVR16-120-500	4	4U	500 GB	N/A	N/A
• HVR16-120-1000	4	4U	1000 GB	OPTIONAL	N/A
• HVR16-120-2000	4	4U	2000 GB	OPTIONAL	N/A
16 Channel (240 PPS)					
• HVR16-240-1000	16	4U	1000 GB	OPTIONAL	N/A
• HVR16-240-2000	16	4U	2000 GB	OPTIONAL	OPTIONAL
• HVR16-240-2000	16	5U	2000 GB	OPTIONAL	N/A
• HVR16-240-4000	16	5U	4000 GB	OPTIONAL	OPTIONAL
16 Channel (480 PPS)					
• HVR16-480-1000	16	4U	1000 GB	OPTIONAL	N/A
• HVR16-480-2000	16	4U	2000 GB	OPTIONAL	N/A
• HVR16-480-2000	16	5U	2000 GB	OPTIONAL	N/A
• HVR16-480-4000	16	5U	4000 GB	OPTIONAL	N/A
32 Channel (240 PPS)					
• HVR32-240-2000	16	5U	2000 GB	OPTIONAL	OPTIONAL
• HVR32-240-4000	16	5U	4000 GB	OPTIONAL	OPTIONAL
32 Channel (480 PPS)					
• HVR32-480-2000	16	5U	2000 GB	OPTIONAL	OPTIONAL
• HVR32-480-4000	16	5U	4000 GB	OPTIONAL	OPTIONAL

Sample HVR Configuration

