



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 IP CAMERA RECORDING

- Record up to 16 IP 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 IP 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
- Up to 32 channels looping outputs on analog cameras
- 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 Digital 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		120 PPS DVR	
	480 PPS 360x240 (NTSC)		120 PPS 320x240 (NTSC)	
	240 PPS 720x240 (NTSC)		60 PPS 640x240 (NTSC)	
	120 PPS 720x480 (NTSC)		30 PPS 640x480 (NTSC)	
	240 PPS DVR		60 PPS DVR	
	240 PPS 360x240 (NTSC)		60 PPS 320x240 (NTSC)	
	120 PPS 720x240 (NTSC)		30 PPS 640x240 (NTSC)	
	60 PPS 720x480 (NTSC)		30 PPS 640x480 (NTSC)	
Audio Recording	480 PPS	240 PPS	120 PPS	60 PPS
	16ch	16ch	16ch	8ch
	4	4	2	2
	yes	yes	yes	yes
Sensor/Alarm Inputs	8	8	8	8
Alarm Outputs	8	8	8	8
PTZ Controls	Internal RS-422 (over 45 protocols)			
Image Compression	Proprietary MJPEG			
Storage Media	Up to 2 Terabytes Internally (RAID 5)			
LAN	10/100 Fast Ethernet (1000 optional)			
Average Image Size	720x480	12K	720x240	6K
	360x240	3K		
Critical Recording Archive	CD-RW Drive LAN, Internet (TCP/IP) DVD Multi Burner (optional)			
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)			

Specifications subject to change without notice

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 IP 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 45 protocols as well as a CD-RW with optional DVD Multi Burner available.

MAIN FEATURES

- Supports Toshiba IP Cameras and Selected AXIS® IP Cameras**
- Field Upgradeable, Replaceable HDD Array
- Large Storage Capacities (over 1 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 45 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 16 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
- Digital Signature Support for Tamperproof Exporting

* SVGA Monitor is required for setup and maintenance.

** New cameras are added frequently. Please visit www.cctv.toshiba.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
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
16 Channel (240 PPS)					
• HVR16-240-1000	16	4U	1000 GB	OPTIONAL	N/A
• HVR16-240-2000	16	5U	2000 GB	OPTIONAL	OPTIONAL
16 Channel (480 PPS)					
• HVR16-480-1000	16	4U	1000 GB	OPTIONAL	N/A
• HVR16-480-2000	16	5U	2000 GB	OPTIONAL	N/A
32 Channel (240 PPS)					
• HVR32-240-2000	16	5U	2000 GB	OPTIONAL	OPTIONAL
32 Channel (480 PPS)					
• HVR32-480-2000	16	5U	2000 GB	OPTIONAL	OPTIONAL

OPTIONAL COMPONENTS

Part Number	Description
• HDD-250	250GB Removable HDD
• FLD-UPG1	Field Upgrade Option (for the 4U Chassis only)
• 16-AUD	16 Channel Audio
• 4CH-VOUT	4 Ch Analog Out (for the 4U Chassis only)
• DVR-R5	Internal RAID 5 for 4U Server
• EVR-R5	Internal RAID 5 for 5U Server
• SCSI-UPG	SCSI Card Upgrade
• 2-RDNT-PS	Redundant Power Supply (for the 5U Chassis only)
• 1TBEXT-HDD	1 TB External Drive
• 2.25 EXT R5	2.25 TB External RAID 5
• 3.25 EXT R5	3.25 TB External RAID 5
• GB NIC	Gigabit Network Card
• PW-UPS	UPS Power Backup
• NP-4PK/M	4 Ch KVM Switch
• DVD-UPG	DVD Multi Burner Upgrade
• PC-POS01	POS Interface
• PC-ATM01	ATM Interface
• NP-FM56USB	56K External Modem
• P1550LA	15" LCD Monitor
• P1750LA	17" LCD Monitor
• P1950LA	19" LCD Monitor

