EHV Series

Embedded Hybrid Video Recorders

Cost effective hybrid video recording

The Surveillix EHV series hybrid recorders enable analog and IP video recording for maximum flexibility in a cost effective solution. With up to 16 analog channels, 4 IP channels, and 480 FPS at full D1 resolution, the EHV series provides efficient and reliable video recording. Compatible with Surveillix SCS video management software and MySurveillix for remote access and multi-site deployments for a complete surveillance solution.

- Up to 16 cameras and 480 FPS at full D1 resolution

- eSATA output for extended storage capabilities

- Local viewing of analog cameras via HDMI, VGA or BNC outputs (HDMI on EHV16-480D model only)

- iPhone/iPad/Android/Blackberry mobile app support

- Maximum of 4 IP camera licenses included

- H.264 compression for maximum video storage

- Remote viewing of IP and analog cameras via browser or VMS software

EHV Series

Embedded Hybrid Video Recorders

TOSHIBA
Leading Innovation »»»

	EHV4-120	EHV8-240	EHV16-480	EHV16-480D
Category	Hybrid	Hybrid	Hybrid	Hybrid
Overview				
Max Number of Channels	4	8	16	16
Analog Video Channels	4	8	16	16
Max IP Video Channels	4	4	4	4
Local Display *1	1 VGA, 1 BNC, 1 BNC (Call monitor)	1 VGA, 1 BNC, 1 BNC (Call monitor)	1 VGA, 1 BNC, 1 BNC (Call monitor)	1 HDMI, 1 VGA, 1 BNC, 1 BNC (Call monitor)
Analog frame rate	120fps@CIF (analog only) 90fps@CIF (with IP cameras)	240fps@CIF (analog only) 180fps@CIF (with IP cameras)	480fps@CIF (analog only) 360fps@CIF (with IP cameras)	480fps@D1 (analog only) 360fps@D1 (with IP cameras)
Analog Compression Format	H.264	H.264	H.264	H.264
IP Recording Throughput	32Mbps	32Mbps	32Mbps	48Mbps
IP Compressions supported	H.264	H.264	H.264	H.264
Storage				
Storage Capacity	4TB	4TB	4TB	4TB
Number of HDDs	2 Internal SATA	2 Internal SATA	2 Internal SATA	2 Internal SATA
External Storage	eSATA x 1 (3TB max, 10MB/s speed) *2	eSATA x 1 (3TB max, 10MB/s speed) *2	eSATA x 1 (3TB max, 10MB/s speed) *2	eSATA x 1 (3TB max, 10MB/s speed) *2
Export formats	AVI, MPEG	AVI, MPEG	AVI, MPEG	AVI, MPEG
Frame Rates				
Analog Recording Rate	720 x 480: 30 fps (analog only) 720 x 480: 27 fps (with IP) 720 x 240: 60 fps (analog only) 720 x 240: 45 fps (with IP) 352 x 240: 120 fps (analog only) 352 x 240: 90 fps (with IP)	720 x 480: 60 fps (analog only) 720 x 480: 45 fps (with IP) 720 x 240: 120 fps (analog only) 720 x 240: 90 fps (with IP) 352 x 240: 240 fps (analog only) 352 x 240: 180 fps (with IP)	720 x 480: 120 fps (analog only) 720 x 480: 90 fps (with IP) 720 x 240: 240 fps (analog only) 720 x 240: 180 fps (with IP) 352 x 240: 480 fps (analog only) 352 x 240: 360 fps (with IP)	720 x 480: 480 fps (analog only) 720 x 480: 360 fps (with IP) 720 x 240: 480 fps (analog only) 720 x 240: 360 fps (with IP) 352 x 240: 480 fps (analog only) 352 x 240: 360 fps (with IP)
Analog Viewing Rate	120 fps	240 fps	480 fps	480 fps
Inputs/Outputs				
Audio Inputs	up to 4 (4 analog)	up to 4 (4 analog)	up to 4 (4 analog)	up to 16 (16 analog)
Audio Outputs	1 RCA Line Out	1 RCA Line Out	1 RCA Line Out	1 RCA Line Out
USB	2 USB 2.0	2 USB 2.0	2 USB 2.0	2 USB 2.0
Alarm IN/OUT	4/4	8/4	16/4	16/4
RS-232	9 Pin D-Sub Male	9 Pin D-Sub Male	9 Pin D-Sub Male	9 Pin D-Sub Male
RS-485	Terminal Block	Terminal Block	Terminal Block	Terminal Block
Ethernet	1 Gigabit Ethernet	1 Gigabit Ethernet	1 Gigabit Ethernet	1 Gigabit Ethernet
Remote Clients Included				
Browser Client	Internet Explorer	Internet Explorer	Internet Explorer	Internet Explorer
Smartphone apps	iPhone/Android/Blackberry	iPhone/Android/Blackberry	iPhone/Android/Blackberry	iPhone/Android/Blackberry
Tablet apps	iPad/Android	iPad/Android	iPad/Android	iPad/Android
VMS Software	Surveillix SCS	Surveillix SCS	Surveillix SCS	Surveillix SCS
Other				
Operating System	Embedded Linux	Embedded Linux	Embedded Linux	Embedded Linux
ONVIF	Version 1.02	Version 1.02	Version 1.02	Version 1.02
Approvals	FCC Class B, EN55022, EN61000, EN50130, ANSI C63, IEC 0950	FCC Class B, EN55022, EN61000, EN50130, ANSI C63, IEC 0950	FCC Class B, EN55022, EN61000, EN50130, ANSI C63, IEC 0950	FCC Class B, EN55022, EN61000, EN50130, ANSI C63, IEC 0950
Live screen	4 (analog ch, local display), 4 (client software)	8 (analog ch, local display), 8 (client software)	16 (analog ch, local display), 16 (client software)	16 (analog ch, local display), 16 (client software)
Playback screen	4 (client software)	8 (client software)	16 (client software)	16 (client software)
User Interface control	Mouse and Wireless IR Remote	Mouse and Wireless IR Remote	Mouse and Wireless IR Remote	Mouse and Wireless IR Remote
Dimensions				
Dimension (H x W x D)	3.46" x 16.53" x 16.85"	3.46" x 16.53" x 16.85"	3.46" x 16.53" x 16.85"	3.46" x 16.53" x 16.85"
Weight	TBD	TBD	TBD	TBD
Environment				
Temperature	Operating: 41° to 104°F	Operating: 41° to 104°F	Operating: 41° to 104°F	Operating: 41° to 104°F
Humidity	10% ~ 80% R.H.	10% ~ 80% R.H.	10% ~ 80% R.H.	10% ~ 80% R.H.
Power				
Power Input	12V DC, 5A	12V DC, 5A	12V DC, 5A	12V DC, 5A
Power Consumption	60W	60W	60W	60W
Warranty				
Limited Warranty	3 years with 1 year advanced replacement	3 years with 1 year advanced replacement	3 years with 1 year advanced replacement	3 years with 1 year advanced replacement

OPTIONAL ACCESSORIES: AC-EHVRACK (Rackmount ears), AC-EHVREMOTE (Remote control), PW-G3EMB (External power adapter)
*1: Local display shows analog video only. IP video accessed via browser or VMS software.
*2: eSATA port supports 1 drive only.

PART NUMBERS:			
EHV4-120-500	EHV8-240-500	EHV16-480-1T	EHV16-480D-1T
EHV4-120-1T	EHV8-240-1T	EHV16-480-2T	EHV16-480D-2T
EHV4-120-2T	EHV8-240-2T	EHV16-480-4T	EHV16-480D-4T
	EVH8-240-4T		

EHV Series

Embedded Hybrid Video Recorders

TOSHIBA
Leading Innovation >>>

Included Accessories

- IR Remote Control + 2 Batteries
- DDNS Setup Sheet
- Quick Start Guide
- Power Supply
- Software Disc
- Power Cable

Optional Accessories

Accessory Type	Part Number	Description	Photo
Rackmount Ears	AC-EHVRACK	Rackmount Ears for EHV Embedded Recorder	