HYBRID

HT Full Hybrid Video Recorder with Looping Outputs and Real-Time Recording

D8HT
8 Channel IP, HD-TVI & Analog Full Hybrid Video Recorder

D16HT
16 Channel IP, HD-TVI & Analog Full Hybrid Video Recorder

STORAGE 1TB - 12TB			
D8HT1TB	D8HT6TB	D16HT1TB	D16HT6TB
D8HT2TB	D8HT8TB	D16HT2TB	D16HT8TB
D8HT3TB	D8HT9TB	D16HT3TB	D16HT9TB
D8HT4TB	D8HT12TB	D16HT4TB	D16HT12TB

Front panel D8HT shown

Rear panel

Features

EZ Wizards - For ease of use and setup
Camera: quickly discover and install all Speco IP cameras
Setup: for quick setup of general settings
Network: network setup and port forwarding
Record: quickly setup recording resolutions and recording type
Search: quickly search for events from thumbnails
Copy: quickly copy what you are playing onto a USB flash drive

• Video Out: 1 HDMI®, 1 VGA, 1 CVBS / Spot
• 2MP support for HD-TVI
• Real-time recording rate at 30fps/channel on IP / HD-TVI / Analog
• Up to 5MP IP camera resolution on all channels
• 1080p@30fps on HD-TVI channels
• Plug & play feature with Speco's OnSIP/VIP/ZIP cameras
• Each channel is configurable for either IP / HD-TVI / analog
• Dual network ports for isolating IP camera network and remote network traffic
• Instant playback allows for playback of 1 channel while the rest stays in Live mode
• Smart (Museum) Search - Quickly search for a specific video event without the need for motion setup.
• H.264 video compression
• Networkable full hybrid DVR with free Speco DDNS server
• Backwards compatible with all analog cameras
• UTC function allows for zoom/focus and OSD control over coax
• Signal distance up to 1600 feet[1]
• Digital Deterrent® for triggering audio message via motion detection or sensor

• Cloud upload for events via Google Drive
• Mass alert notification via Twitter
• 2-way audio communication via local and IP camera audio service
• Programmable recording on motion detection, sensor, schedule, continuous and manual
• Supports wireless access point for viewing and configuration
• HTTPS – support for third party SSL certificates.
• Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
• Switch between low and high quality stream for IP cameras during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization
• Easy firmware upgrade by USB port or network
• User Access: up to 12 concurrent users
• Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
• Network software supports Static IP, DHCP and DDNS
• Network accessible via SpecoTech Multi-Client Software, SecureGuard® VMS, Internet Explorer Web-Viewer and Speco Player Mobile Viewer
• PC and MAC® compatible
• IR remote control & mouse included
• Rack mountable (hardware included)
• 5 year warranty[2]

Optional Accessories

ERS1V	IRRPTKIT	POESW6	POE8SW9	POE16SW18
Vented Rack Shelf	IR Repeater Kit	4 PoE Port 10/100 802.3af/ at Switches	8 PoE Port 10/100 802.3af/ at Switches	16 PoE Port 10/100 802.3af/ at Switches

[1]To preserve signal quality and distance, Speco Technologies recommends using coax with a 100% copper center conductor and at least 95% braided copper shield. [2]Effective on all new purchases as of 2/1/17. Hard drives excluded. iPhone is a trademark of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation.
Spec Rev. 7/24/17

speco technologies®

Model			D8HT	D16HT
Video	Input	IP Channels	Up to 8	Up to 16
		HD-TVI / Analog Channels	Up to 8	Up to 16
	Output	HDMI®	1 HDMI (1280x720 / 1920x1080 / 1600x1200)	
		VGA	1 VGA (1280x720 / 1920x1080 / 1600x1200)	
		CVBS / SPOT	1	
		Loopouts	8 (HD-TVI and Analog channels only)	16 (HD-TVI and Analog channels only)
Audio	Input		8 line input, 8 IP input	16 line input, 16 IP input
	Output	Local Output (RCA)	1	1
	Audio Codec		G.711	
Alarm	Sensor Input	Local Input	4	4
		Remote Input from IP Camera	8	16
	Alarm Output		1	1
	RS-485	PTZ	1	
Recording	Compression		H.264 (baseline, main, high profile)	
	Resolution	IP	2592x1944 (5MP)	240fps	480fps
			2098 x 1536 (3MP)	240fps	480fps
			1920 x 1080 (2MP)	240fps	480fps
			1280x720 (720p)	240fps	480fps
		HD-TVI	1920 x 1080 (1080p)	240fps	480fps
			1280 x 720 (720p)	240fps	480fps
		Analog	960H	240fps	480fps
	Recording Quality Grade (Analog Only)		5 levels	
	Recording Mode		Continuous / Motion / Sensor / Schedule / Manual / Continuous + Sensor / Continuous + Motion	
	Pre-Recording		Max. 20 minutes	
	Post Recording		Max. 60 seconds	
Playback	Search		EZ Search, Date/Time, Event, Archive, Log, Smart Search	
	Multi-Decoding		1, 4, 8	1, 4, 9, 16
	Playback Speed		x0.25, x0.5, x2, x4, x8, x16, x32, x64	
Backup	Media		USB Drive, External HDD, Network	
	Format		BMP, AVI, Proprietary Format (NSP)	
	Large Backup		Yes (max. 24 hours)	
Storage	HDD	Capacity of 1 HDD	4TB	
		Internal HDDs	3	
		e-SATA	1	
	USB		2 front, 1 rear	
User I/F	Menu Display		GUI	
	Input Method		Front Buttons, IR, Mouse, Keyboard Controller	
Network	Interface		Dual Network Ports 10/100/1000Base-T	
	Streaming	IP Channel	Depends on profile	
		HD-TVI and Analog Channel	640 x 360, 320x 180 @ 30fps/channel	
	Dual Encoding for Network		Yes	
	Max. Throughput		48Mbps	
Network Access	Mobile Viewer		SecureGuard® Mobile, Speco Player	
	PC Web Viewer		IE, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)	
	PC Client		SecureGuard®	
Features	Digital Deterrent®		Default + up to 8 audio files	
	Digital Zoom		Yes	
	DLS (Daylight Savings)		Yes	
	EZ Search, Smart Search		Yes	
	S.M.A.R.T		Yes	
	Cloud Backup on Event		Yes	
	Multi-Language		Yes	
	Dynamic DNS		Yes (free Speco DDNS)	
	SW Upgrade		USB and remote software upgrade	
	E-mail Notification / Twitter		Yes	
	NTP (Network Time Protocol)		Yes	
Power Source	Power Supply Voltage		12VDC, 5A	12VDC, 6.67A
	Allowable Operating Temperature / Humidity		41° F - 104° F / 20% - 80% RH (non-condensing)	
	Allowable Storage Temperature		14° F - 122° F	
Weight	Unit Weight (Gross Weight)		12 lbs.	
Dimensions	Unit Dimensions (W x H x D)		15" (W) x 2.83" (H) x 13.4" (D)	

Please note that specifications and unit exterior design are subject to change without notification. Rev. 7/24/17

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