

HYBRID

# HU 4K IP & 4K HD-TVI Hybrid Video Recorder

## D8HU

8 Channel 4K IP, HD-TVI Hybrid Video Recorder

## D16HU

16 Channel 4K IP, HD-TVI Hybrid Video Recorder

**STORAGE**  
2TB - 40TB

D8HU2TB	D8HU20TB	D16HU2TB	D16HU20TB
D8HU4TB	D8HU24TB	D16HU4TB	D16HU24TB
D8HU6TB	D8HU30TB	D16HU6TB	D16HU30TB
D8HU8TB	D8HU32TB	D16HU8TB	D16HU32TB
D8HU12TB	D8HU40TB	D16HU12TB	D16HU40TB
D8HU16TB		D16HU16TB	

### Key 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

- Up to 8MP over coax (HD-TVI on 8 Channels) and IP
- Video out: 1 HDMI, 1 VGA, 1 Main, Spot, Looping outputs
- Each channel is configurable for either IP or HD-TVI
- H.264 video compression
- Networkable with free US-Based Speco DDNS service
- Programmable recording on motion detection, sensor, schedule, continuous and manual modes
- Up to 40TB storage from 4 internal SATA ports
- RAID 1/5/10 support, RAID maximum capacity 16TB
- eSATA port for additional storage
- Event video upload to Google™ Drive
- Dual Gigabit Ethernet ports to separate camera and LAN traffic
- Smart (Museum) Search - Quickly search for a specific video event without the need for motion setup
- Switch between low and high quality stream during simultaneous continuous + motion + sensor recording modes for storage optimization
- Remote monitoring/recording/playback/configuration/software upgrades and PTZ control via internet
- Network accessible via SecureGuard®, Internet Explorer Web-Viewer, SpecoTech Multi-Client Software, and Speco Player Mobile Viewer, Apple TV and Amazon Fire TV.
- PC, Mac®, iPhone®, iPad® and Android™ compatible
- Rack ears included
- 5 year warranty
- TAA Compliant
- UL Listed



Included  
Rack ears



Front panel

D8HU shown



Rear panel

Use  
With



### Additional Features

- Instant playback allows for playback of 1 channel while the rest stays in Live mode
- Plug & play feature with Speco's OnSIP/VIP/ZIP cameras
- Signal distance up to 1600 feet<sup>1</sup>
- Mass alert notification via Twitter
- Smart (Museum) Search - Quickly search for a specific video event without the need for motion setup.
- 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
- 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)

### Optional Accessories



**IOMOD**  
External Alarm Box  
Module



**ERS1V**  
Vented Rack Shelf



**P4S5G**  
5 Port Gigabit Network Switch  
(4 ports PoE, 1 port Uplink)



**P8S9G**  
9 Port Gigabit Network Switch  
(8 ports PoE, 1 port Uplink)



**P24S26G**  
26-port Gigabit Network Switch  
with 24-ports PoE and 2xSFP Uplink



**P32S36GM**  
36-Port Managed Gigabit Switch  
with 32-ports PoE and 4xSFP Uplink

<sup>1</sup>To preserve signal quality and distance, Speco Technologies recommends using coax with a 100% copper center conductor and at least 95% braided copper shield. <sup>2</sup>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. Amazon's trademark is used under license from Amazon.com, Inc. or its affiliates. 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. 4/25/22

# Technical Specifications:

## HU 4K IP & 4K HD-TVI Hybrid Video Recorder

Model			D8HU	D16HU	
Video	Input	HD-TVI	Max. 4K (All channels)	Max. 4K (Channels 1-8) Max 4MP (Channels 9-16)	
		IP Camera (H.264 only)	Max. 4K (All channels)	Max. 4K (All channels)	
		Max. Bitrate for Recording	5Mbps/channel	5Mbps/channel	
	Output	Main Monitor	VGA and HDMI (Max. 4K)		
		Sub Monitor	CVBS or SPOT (Selective)		
		HD-TVI Loop Output	8	16	
Audio	Input	Local Input	8	16	
		Remote Input from IP Camera	8	16	
	Output	Local Output (RCA)	1	1	
	Audio Codec		G.711		
I/O	Sensor In	Local Input (Terminal Block)	8	16	
		Remote Input from IP Camera	8	16	
	Alarm Output		1	1	
Serial	RS-232C		None		
	RS-485		1		
Recording	Compression		H.264		
	Local Resolution & Frame Rate	3840x2160 (8MP)	15fps/channel	15fps/channel	
		2592x1944 (5MP)	20fps/channel	20fps/channel	
		2688x1520 (4MP)	30fps/channel	30fps/channel	
		2560x1440 (QHD)	30fps/channel	30fps/channel	
		2304x1296 (3MP)	30fps/channel	30fps/channel	
		1920x1080 (2MP)	30fps/channel	30fps/channel	
	IP Resolution & Frame Rate		3840x2160 (8MP)	15fps/channel	15fps/channel
	Recording Quality Grade		5 levels		
	Recording Mode		Smart / Continuous / Motion / Sensor / Schedule / Manual		
	Pre-Recording		Max. 20 minutes		
	Post Recording		Max. 60 seconds		
Playback	Search		EZ Search, Motion Search, Date/Time, Event, Archive, Log		
	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		
	Huge Backup		Yes (Max. 24 hours)		
Storage	HDD	Capacity of 1 HDD	10TB		
		Internal HDDs	Max. 4ea (RAID 1/5/10), RAID Maximum Capacity 16TB		
		e-SATA	1 (RAID 1/5/10 support)		
	USB	Front	2		
		Rear	2		
User I/F	Input Method		Front Buttons, IR, Mouse, Keyboard Controller		
Network	Private (IP Camera, Auto Connection)		10/100/1000 Base-TX		
	LAN (IP Camera or Remote Access)		10/100/1000 Base-TX		
	Dynamic DNS		Yes (Free DDNS)		
	Dual Encoding for Network		Yes		
Network Access	3G Mobile		iPad / iPhone / Android		
	Web Viewer		Windows (IE, Chrome, Firefox, Safari)		
	PC Client		Single / Multi Client and SecureGuard VMS®		
	Other Viewing Platforms		Apple TV and Amazon Fire TV		
	Remote Setup and Upgrade		Yes		
	Streaming	Local Channel	640x360@30fps/channel, 320x180@30fps/channel		
IP Channel		Relay of the IP Camera's Sub-stream			
Features	Digital Zoom		Yes		
	DLS (Daylight Savings)		Yes		
	NTP (Network Time Protocol)		Yes		
	S.M.A.R.T		Yes		
	Internal Beep		Yes		
	Multi-Language		Yes		
	e-mail Notification		Yes		
Power Source	Power Supply		12VDC, 5A	12VDC, 6.67A	
Temperature	Operation		41° F ~ 104° F (5° C ~ 40° C)		
	Storage		14° F ~ 122° F (-10° C ~ 50° C)		
Humidity	Operation		20%~80% (Non-condensing)		
Dimensions	Unit Dimensions (W x H x D)		15" (W) x 2.8" (H) x 13.4" (D) (380mm x 72mm x 340mm)		

Please note that specifications and unit exterior design are subject to change without notification. Rev. 4/25/22