

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**  
1TB - 40TB

|          |          |           |           |
|----------|----------|-----------|-----------|
| D8HU1TB  | D8HU16TB | D16HU2TB  | D16HU24TB |
| D8HU2TB  | D8HU20TB | D16HU4TB  | D16HU30TB |
| D8HU3TB  | D8HU24TB | D16HU6TB  | D16HU32TB |
| D8HU4TB  | D8HU30TB | D16HU8TB  | D16HU40TB |
| D8HU6TB  | D8HU32TB | D16HU12TB | -         |
| D8HU8TB  | D8HU40TB | D16HU16TB | -         |
| D8HU12TB | -        | D16HU20TB | -         |

### 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
- ONVIF compliant
- 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 detecton, 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
- PC, Mac®, iPhone®, iPad® and Android™ compatible
- Rack Mountable (hardware included)
- 5 year warranty
- TAA Compliant
- UL Listed

#### Optional Accessories



**IOMOD**  
External Alarm Box  
Module



**ERS1V**  
Vented Rack Shelf



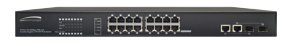
**IRRPTKIT**  
IR Repeater Kit



**POE4SW6**  
4 PoE Port 10/100  
802.3af/ at Switches



**POE8SW9**  
8 PoE Port 10/100  
802.3af/ at Switches



**P16S18**  
16 PoE Port 10/100  
802.3af/ at Switches



Front panel

D8HU shown



Rear panel



### 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)

<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. 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. 7/26/19



| Model              |                                      | D8HU                                | D16HU  |                        |
|--------------------|--------------------------------------|-------------------------------------|--|------------------------|
| Video              | Input                                | HD-TVI                              | Max. 4K (All channels)                                   | Max. 4K (Channel 1-8)  |
|                    |                                      | 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®               |                        |
|                    | 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)    |                        |