

# DS-7204/7208/7216HWI-SH

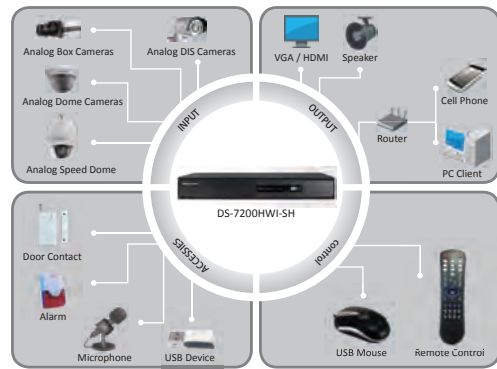
## 960H DVR



DS-7204HWI-SH



DS-7208 / 7216HWI-SH



### Key features

- H.264 video compression
- WD1(960x480) resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Dual-stream
- Up to 4/8/16-ch synchronous playback

### Rear Panel of DS-7204HWI-SH



1. Video in
2. Video out
3. USB interface
4. HDMI interface
5. VGA interface
6. Audio in, RCA connector
7. Audio out, RCA connector
8. LAN network interface
9. RS-485 serial interface
10. 12VDC power input
11. Power switch
12. GND
13. Alarm In/Out

	DS-7204HWI-SH	DS-7208HWI-SH	DS-7216HWI-SH
<b>Video/Audio input</b>			
Video compression	H.264		
Video input	4-ch	8-ch	16-ch
Video input interface	BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive		
Audio compression	G.711u		
Audio input	1-ch, RCA (2.0 Vp-p, 1 kΩ)		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)		
<b>Video/Audio output</b>			
HDMI / VGA output	1-ch, resolution: 1080P: 1920×1080×60Hz SXGA: 1280×1024×60Hz 720P: 1280×720×60Hz XGA: 1024×768×60Hz	1-ch, resolution: 1080P: 1920×1080×60Hz, SXGA: 1280×1024×60Hz, 720P: 1280×720×60Hz, XGA: 1024×768×60Hz	
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
Encoding resolution	WD1/4CIF/2CIF/CIF/QCIF		
Frame rate	25 fps (P) / 30 fps (N)		
Video bit rate	32 Kbps ~ 2048 Kbps, or user defined (Max. 3072 Kbps)		
Audio output	1-ch, RCA (Linear, 1 kΩ)		
Audio bit rate	64 Kbps		
Dual-stream	Support; Sub-stream: CIF / QCIF		
Stream type	Video, Video & Audio		
Synchronous playback	4-ch	8-ch	16-ch
<b>Hard disk</b>			
SATA	1 SATA interface	2 SATA interfaces	2 SATA interfaces
Capacity	Up to 4TB capacity	Up to 8TB capacity	Up to 8TB capacity
<b>External interface</b>			
Network interface	1, RJ45 10M / 100M Ethernet interface		
Serial interface	1 RS-485 interface, half-duplex		
USB interface	2, USB2.0		
Alarm in	4	8	16
Alarm out	1	4	4
<b>General</b>			
Power supply	12 VDC		
Consumption	≤ 10 W	≤ 15 W	≤ 20 W
Working temperature	-10 °C ~ +55 °C (14°F - 133°F)		
Working humidity	10% ~ 90%		
Chassis	Standalone 1U chassis	19-inch rack-mounted 1U chassis	19-inch rack-mounted 1U chassis
Dimensions (W × D × H)	315 × 230 × 45 mm (12.4" × 9" × 1.8" )	445 × 290 × 45 mm (17.5" × 11.4" × 1.8" )	445 × 290 × 45 mm (17.5" × 11.4" × 1.8" )
Weight	≤ 2 kg	≤ 4 kg	≤ 4 kg