



# DVR Standalone

4/8/16-CH Entry-Level DVR



## FEATURES

- User-friendly GUI for easy operation
- Up to 1024×768 VGA output resolution
- Simultaneous VGA and CVBS output
- 4CIF/2CIF/CIF resolution
- Normal and event recording parameters configurable per individual camera
- Partial digital zoom by using mouse when in PTZ control mode
- 4/8/16-ch synchronous playback
- Support dual stream
- Different recording storage period configurable for each channel
- NTP, SADP, DHCP protocols supported

## LOCAL MONITORING

- Up to 1024×768 resolution for VGA output display.
- Simultaneous VGA and CVBS output.
- 1/4/9/16-camera video live view, with the camera order adjustable.
- Group switch, manual switch and automatic cycle modes selectable for video live view, with the auto cycle period configurable.
- Digital zoom in live view mode.
- Shield of assigned channel for live view.
- Privacy masking capability.
- Multiple PTZ protocols supported, and settings and callup of presets, patrols and patterns.
- Video image zoom-in by clicking the mouse and tracing by dragging mouse in PTZ control mode.

## HARDDISK MANAGEMENT

- Connection to 1 SATA hard disk, with up to 2TB storage capacity.
- S.M.A.R.T technology.
- HDD standby function.
- HDD file system is compatible with Windows. Use pre-allocating hard disk management technology, and no disk fragments.

## BACKUP

- Record files backed up via USB device.
- Bunch backup by file or by time.
- Record files edited for backup in playback.
- Management and maintenance for backup devices.

## COMPRESSION

- PAL/NTSC adaptive video inputs.
- H.264 video compression with high reliability and superior definition.
- G.711 audio compression standard.
- Independent video encoding parameters, including frame rate, resolution, bit rate, video quality, etc.
- Scheduled and event recording parameters configurable for per individual camera.
- Support dual stream.
- Encoding for both audio/video composite stream and video stream; audio and video synchronization during composite stream encoding.
- Compression, storage and network transmission of video image at 4CIF/2CIF/CIF resolution.
- Watermark technology.

## RECORDING

- Cycle and non-cycle recording mode.
- Normal and event video encoding parameters.
- Multiple recording types, including manual, normal, motion detection
- 8 recording time periods with separate recording types.
- Pre-record and post-record time for motion detection, and pre-record time for schedule and manual recording.
- Lock and unlock of video files.
- HDD property can be set to read-only.
- Video data search and playback by channel number, recording type, time etc.
- Digital zoom function in playback mode.
- Pause, play fast, play slow, skip forward, and skip backward when playback, locating in progress bar by dragging the mouse.
- 4/8/16-channel synchronous playback.

## ALARM & EXCEPTION

- Various exception alarm types supported: alarms for video loss, motion detection, video tempering, video signal abnormal, video in/out format unmatched, illegal access, network disconnection, IP conflict, hard disk error and hard disk full.
- Various exception handling methods: pop-up alarm image on monitor, audible warning, notify surveillance center, etc.
- Support alarm notification by Email; and can send Email with attached alarm images.
- Auto recovery from exceptions.

## NETWORK

- 10/100M adaptive network interface.
- TCP/IP protocol suites, PPPoE, DHCP, DNS, DDNS, NTP, SADP protocols, etc.
- Unicast and multicast supported; TCP and UDP protocols applicable in unicast transmission.
- Remote search, playback and download, lock/unlock of video files; support breakpoint resume.
- Remote access and configuration of parameters; remote import/export of device configuration parameters.
- Remote access of device running status, alarm and system log.
- Remote formatting of hard disk, upgrade, reboot/shutdown and other system maintenance operations.
- RS-485 half-duplex transparent channel transmission.
- Exceptions upload to remote management host.
- Remote manual recording.
- Remote video image capture in JPEG format.
- Voice talk and broadcast.
- Built-in WEB Server.

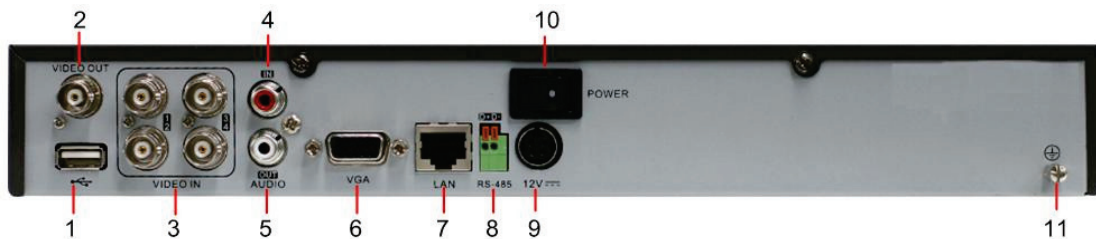
## DEVELOPMENT

- Provision of SDK in Windows and Linux operating systems.
- Application software source code of Demo.
- Support and training service for application system development.

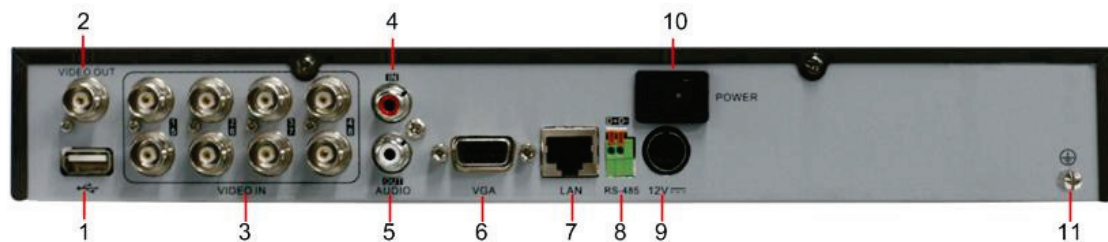
## OTHERS

- Control of DVR via mouse and IR remote control.
- Three-level user management, each user with individual operating permission for DVR and camera.
- Powerful record and search for log of operation, alarm and exceptions.
- Import/export of device configuration files.

### Rear Panel of PS-7904S



### Rear Panel of PS-7908S



### Rear Panel of PS-7916S



- ① USB Interface    ② VIDEO OUT    ③ VIDEO IN    ④ AUDIO IN    ⑤ AUDIO OUT    ⑥ VGA Interface  
 ⑦ LAN    ⑧ RS-485 Interface    ⑨ 12VDC Power Supply Interface    ⑩ POWER    ⑪ GND

**SPECIFICATION**

Model	PS-7904S	
Video/Audio input	Video compression	H.264
	Analog video input	4-ch, BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC adaptive
	Audio compression	G.711
	Audio input	1-ch, RCA connector (2.0 Vp-p, 1 kΩ)
	Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ) (Using AUDIO IN)
	VGA output	1-ch, resolution: 1024 × 768 / 60 Hz
	CVBS output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480
	Audio output	1-ch, RCA connector (Linear, 1 kΩ)
Video/Audio output	Recording resolution	4CIF / 2CIF / CIF
	Frame rate	Main stream: 4CIF / 2CIF@8 fps, CIF@25 fps (P) / 30 fps (N) Sub stream: CIF / QCIF@25 fps (P) / 30 fps (N)
	Video bit rate	32 kbps ~ 2048 kbps, or user-defined (Max. 3072 kbps)
	Stream type	Video/ Video & Audio
	Audio bit rate	64 kbps
	Dual stream	Support
	Synchronous playback	4-ch
Hard disk	Type	1 SATA interface
	Capacity	Up to 2TB capacity for each interface
External interface	Network interface	1, RJ45 10 M / 100 M adaptive Ethernet interface
	Serial interface	1 RS-485 interface, half-duplex
	USB interface	2, USB 2.0
Others	Power supply	12 VDC
	Consumption	≤10 W (without hard disk or DVD-R/W)
	Working temperature	-10~ +55
	Working humidity	10% ~ 90%
	Dimensions (W x D x H)	315 × 230 × 45 mm
	Weight	≤2 kg (without hard disk or DVD-R/W)

**SPECIFICATION**

Model	PS-7908S	
Video/Audio input	Video compression	H.264
	Analog video input	8-ch, BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC adaptive
	Audio compression	G.711
	Audio input	1-ch, RCA connector (2 Vp-p, 1 kΩ)
	Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ) (Using AUDIO IN)
	VGA output	1-ch, resolution: 1024 × 768 / 60 Hz
	CVBS output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480
	Audio output	1-ch, RCA connector (Linear, 1 kΩ)
Video/Audio output	Recording resolution	4CIF / 2CIF / CIF
	Frame rate	Main stream: 4CIF / 2CIF@6 fps, CIF@25 fps (P) / 30 fps (N) Sub stream: CIF / QCIF@25 fps (P) / 30 fps (N)
	Video bit rate	32 kbps ~ 2048 kbps, or user-defined (Max.3072 kbps)
	Stream type	Video/ Video & Audio
	Audio bit rate	64 kbps
	Dual stream	Support
	Synchronous playback	8-ch
Hard disk	Type	1 SATA interface
	Capacity	Up to 2TB capacity for each interface
External interface	Network interface	1, RJ45 10 M / 100 M adaptive Ethernet interface
	Serial interface	1 RS-485 interface, half-duplex
	USB interface	2, USB 2.0
Others	Power supply	12 VDC
	Consumption	≤10 W (without hard disk or DVD-R/W)
	Working temperature	-10 ~ +55
	Working humidity	10% ~ 90%
	Dimensions (W x D x H)	315 × 230 × 45 mm
	Weight	≤4 kg (without hard disk or DVD-R/W)

**SPECIFICATION**

Model	PS-7916S	
Video/Audio input	Video compression	H.264
	Analog video input	16-ch, BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC adaptive
	Audio compression	G.711
	Audio input	1-ch, RCA connector (2 Vp-p, 1 kΩ)
	Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ) (Using AUDIO IN)
	VGA output	1-ch, resolution: 1024 × 768 / 60 Hz
	CVBS output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480
	Audio output	1-ch, RCA connector (Linear, 1 kΩ)
Video/Audio output	Recording resolution	4CIF / 2CIF / CIF
	Frame rate	Main stream: 4CIF / 2CIF@6 fps, CIF@25 fps (P) / 30 fps (N) Sub stream: CIF / QCIF@25 fps (P) / 30 fps (N)
	Video bit rate	32 kbps ~ 2048 kbps, or user-defined (Max. 3072 kbps)
	Stream type	Video/ Video & Audio
	Audio bit rate	64 kbps
	Dual stream	Support
	Synchronous playback	16-ch
Hard disk	Type	1 SATA interface
	Capacity	Up to 2TB capacity for each interface
External interface	Network interface	1, RJ45 10 M / 100 M adaptive Ethernet interface
	Serial interface	1 RS-485 interface, half-duplex
	USB interface	2, USB 2.0
Others	Power supply	12 VDC
	Consumption	≤15 W (without hard disk or DVD-R/W)
	Working temperature	-10 ~ +55
	Working humidity	10% ~ 90%
	Dimensions (W x D x H)	315 × 230 × 45 mm
	Weight	≤4 kg (without hard disk or DVD-R/W)