



DVR Standalone



CE FCC LVDS



PS-7904SI

PS-7908SI

PS-7916SI

Key Features

- Main stream supports up to 4CIF resolution and sub stream supports CIF/QCIF resolution.
- Simultaneous HDMI, VGA and CVBS outputs.
- HDMI output and VGA output at up to 1920×1080P resolution.
- Channel-zero encoding.
- Support dual stream.
- HDD quota management; different capacity can be assigned to different channel.
- Holiday recording schedule configuration.
- Smart searching for the event triggered record files.
- Digital zoom of video in live view or playback mode.
- Up to 4/8/16-ch synchronous playback.
- 1 self-adaptive 10M/100M network interface.
- IPv6 is supported.
- Network detection function.
- NTP, SMTP, NFS, UPnP™ and iSCSI protocols supported.





DVR Standalone

Functions & Performances

Compression

- PAL/NTSC adaptive video inputs.
- H.264 video compression with high reliability and superior definition.
- Each channel supports dual-stream.
- Independent configuration for each channel, including resolution, frame rate, bit rate, image quality, etc.
- The quality of the input and output video is configurable.
- Normal and event recording parameters configurable for per individual camera.
- Encoding for both audio/video composite stream and video stream; audio and video synchronization during composite stream encoding.
- Watermark technology.

HDD Management

- 1 SATA hard disk, 4TB storage capacity for each disk
- 8 network disks (8 NAS disks, or 7 NAS disks+1 IP SAN disk) can be connected.
- HDD group management.
- Support HDD standby function.
- HDD property: redundancy, read-only, read/write (R/W).
- HDD quota management; different capacity can be assigned to different channel.

Backup

- Export video data by USB or SATA storage device.
- Export video clips when playback.
- Management and maintenance of backup devices.

Local Monitoring

- Simultaneous HDMI, VGA and CVBS outputs.
- HDMI/VGA output at up to 1920×1080P resolution.
- 1/4/6/8/9/16-division live view is supported, and the display sequence of screens is adjustable.
- Live view screen can be switched in group, and manual switch and
- automatic cycle review is also provided, the interval of automatic cycle can be adjusted.
- Quick setting menu is provided for live view.
- The selected live view channel can be shielded.
- Motion detection, tamper-proof, video exception and video loss alarm functions.
- Privacy mask.
- Several PTZ protocols supported; PTZ preset, patrol and pattern.
- Zooming in by clicking the mouse and PTZ tracing by dragging mouse.

Recording, Capture and Playback

- Holiday recording schedule configuration.
- Normal and event video encoding parameters.
- Multiple recording types: manual, normal, and motion.
- 8 recording time periods with separated recording types.
- Pre-record and post-record for motion detection for recording, and pre-record time for schedule and manual recording.
- Searching record files by event.
- Customization of tags, searching and playing back by tags.
- Locking and unlocking record files.
- Local redundant recording.
- Searching and playing back record files by channel number, recording type, start time, end time, etc.
- Smart search for the selected area in the video.
- Zooming in when playback.
- Playing reversely.
- Supports pause, speed up, speed down, skip forward, and skip backward when playback, locating by dragging the mouse.
- Up to 8/16-ch synchronous playback. channel.



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Alarm and Exception

- Alarm for video loss, motion detection, tampering, abnormal signal, video input/output standard mismatch, illegal login, network disconnected, IP confliction, abnormal record, HDD error, and HDD full, etc.
- Alarm event triggers full screen monitoring, audio alarm, notifying surveillance center and sending email.
- Automatic restore when system is abnormal.

Network Functions

- 1 self-adaptive 10M/100M network interface.
- IPv6 is supported.
- TCP/IP protocol, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP,
- UPnP™, NFS, and iSCSI are supported.
- TCP, UDP and RTP for unicast.
- Remote search, playback, download, locking and unlocking the record
- files, and downloading files broken transfer resume.
- Remote parameters setup; remote import/export of device parameters.
- Remote viewing of the device status, system logs and alarm status.
- Remote locking and unlocking of control panel and mouse.
- Remote HDD formatting and program upgrading.
- Remote system restart.
- RS-485 transparent channel transmission.
- Alarm event and exception information can be sent to the remote host.
- Remotely start/stop recording.
- Upgrade by remote FTP server.
- Remote PTZ control.
- Two-way audio and voice broadcasting.
- Embedded WEB server.

Other Local Functions

- Operable by mouse, or IR remote control.
- Three-level user management; admin user is allowed to create many
- operating accounts and define their operating permission, which includes
- the limit to access any channel.
- Operation, exceptions and log recording and searching.
- Import and export of device configuration information.

Development Scalability

- SDK for Windows and Linux system.
- Source code of application software for demo.
- Development support and training for application system.



DVR Standalone

Panels & Interfaces

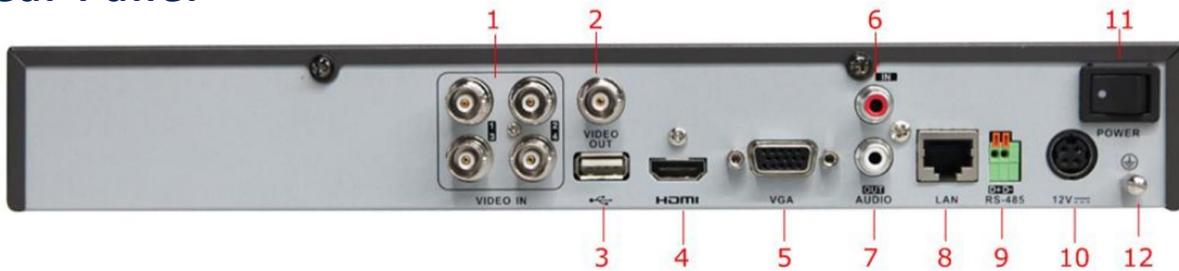
Front Panel

PS-7904SI / PS-7908SI / PS7916SI :



- ① Status Indicator (Power, Status, Tx/Rx)
- ② USB Interface

Rear Panel



Note: The rear panel of PS-7908SI provides 8 video input interfaces. The rear panel of PS-7916SI provides 16 video input interfaces.

- 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



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MODEL		PS-7904SI	PS-7908SI	PS-7916SI
Video/Audio input	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)		
Video/Audio output	HDMI/VGA output	1-ch, resolution: 1920 × 1080P / 60 Hz ,1600 × 1200 / 60 Hz,1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz		
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	Encoding resolution	4CIF / 2CIF / CIF / QCIF		
	Frame rate	Mode1: 4CIF / 2CIF @ 12 fps or CIF / QCIF @ 25 fps (P) / 30 fps (N) Mode2: Channel 1: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N), Channel 2~4: CIF / QCIF @ 25 fps (P) / 30 fps (N)	Mode1: 4CIF / 2CIF @ 8 fps or CIF / QCIF @ 25 fps (P) / 30 fps (N) Mode2: Channel 1& Channel 5: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N), Other Channels: CIF / QCIF @ 25 fps (P) / 30 fps (N)	Mode1: 4CIF / 2CIF @6fps or CIF / QCIF @ 25 fps (P) / 30 fps (N) Mode2: Channel 1: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N), Channel 2~16: CIF / QCIF @ 25 fps (P) / 30 fps (N)



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Specifications

Video/Audio output	Video bit rate	32 Kbps ~ 3072 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 @ 6 fps, QCIF @ 25 fps (P) /30 fps (N))		
	Stream type	Video, Video & Audio		
	Synchronous playback	4-ch	8-ch	16-ch
Hard disk	SATA	1 SATA interface		
	Capacity	Up to 4TB capacity for each disk		
External interface	Network interface	1, RJ45 10M / 100M Ethernet interface		
	Serial interface	1 RS-485 interface, half-duplex		
	USB interface	2, USB 2.0		
General	Power supply	12 VDC		
	Consumption (without hard disk or DVD-R/W)	≤ 10 W	≤ 15 W	≤ 20 W
	Working temperature	-10 °C ~+55 °C		
	Working humidity	10% ~ 90%		
	Chassis	Standalone 1U chassis		
	Dimensions (W × D × H)	315 × 230 × 45 mm		
	Weight (without hard disk or DVD-R/W)	≤ 2 kg	≤ 4 kg	≤ 4 kg