

RC-ASD8508-S2 Series 8-CH HD Video Recorder

Rancent RC-ASD8508-S2 embedded HD video recorder is designed to accommodate up to 8 channels of HD-TVI/CVI/AHD video signals with strong hybrid access capability. With its automatic format detection, it effortlessly decodes H.265+, H.265, H.264+, H.264 video compression codecs, enabling effective network bandwidth and storage management. The Rancent HD DVRs are enabled with powerful capabilities, supporting up to 8MP video resolution for recording, live view and playback. With plug-and-play functionality, accessing and managing multiple channels of IP cameras/PTZs and other smart functions has never been easier.



Typical Applications

- IP or analog HD CCTV surveillance system
- intelligent safe city surveillance system
- intelligent transportation monitoring system

Product Features

- H.265+/H.265/H.264+/H.264 video formats self-adaptive
- Up to 8-ch 8MP decoding capability
- Up to 8MP (3840×2160) resolution recording/live view/playback
- Supports live view, storage, and playback of the connected camera at up to 8 MP resolution
- HDMI and VGA independent outputs
- HDMI Video output at up to 4K (3840 × 2160/30Hz) resolution
- Up to 1 SATA interfaces, up to 8 TB for each HDD
- Third-party network cameras supported
- Centralized management of IP cameras, including configuration, information import/export, real-time information display, upgrade, etc.

Specifications

Video

Video Input	8*(AHD/TVI/CVI: 8MP; TVI/AHD: 5MP; AHD/TVI/CVI: 4MP; AHD/TVI: 3MP; AHD/TVI/CVI: 1080P/720P; Analog:960H)+8*network(Max 8MP) Analog+Network(Max 8MP) 2*Analog+14*network 4*Analog+12*network 6*Analog+10*network Network: 32*network (Max 8MP) (Total incoming bandwidth ≤160M)
Output	1 VGA, 1 HDMI
Connector	8CH BNC
Signal Type	Analog/AHD/CVI/TVI 2.0/TVI 3.0/ Network

Audio

Input/Output	4/1 Channel, RCA
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Alarm

Motion Detection	16 Channel
Trigger Events	Recording, Email, Screen tips, Buzzer, Push notifications(motion detection)

AI Function

Face Comparison	4-channel video stream face Comparison(1 face database with 10 face images)
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PTZ

Interface	RS485
Protocol	Pelco-D, Pelco-P
Baud Rate	110~921600
Address	0~255)

Display

HDMI Output	3840×2160/30Hz, 2560×1440/30Hz, 1920×1080P/60Hz,1280×1024/60Hz
VGA Output	1920×1080P/60Hz, 1280×1024/60Hz
Display Split	36/25/16/9/8/4/1 Channel
Privacy Masking	3 Rectangular Zones (Each camera)
OSD	Camera Title, Time, Recording, Motion Detection, Event Alarm

System

Main Processor	HI3531D
Operating System	Embedded LINUX

Hard Disk

SATA	1 SATA hard disk interface (2.5"/3.5")
Capacity	Up to 8TB capacity

Recording

Video Compression	H.265/ H.265+/H.264/H.264+
Audio Compression	G.711u/G.711a
Video Resolution	8MP(3840×2160), 5MP(2592×1944), 4MP(2560×1440),3MP(2048×1536), 1080P(1920×1080),720P(1280×720), 960H(P:960×576/N:960×480)
Record Rate	PAL:8MP@8fps, 5MP@12fps 4MP@15fps, 3MP@18fps, 1080P@25fps,720P@25fps, 960H@25fps NTSC: 8MP@8fps, 5MP@12fps, 4MP@15fps, 3MP@18fps, 1080P@30fps,720P@30fps, 960H@30fps
Record Mode	Manual\Timer\Motion Detection

Playback&Backup

Local Sync Playback	8CH 8M@8fps, 8CH 5M@12fps, 8CH 4M@15fps, 8CH 3M@18fps, 8CH 1080p@30fps, 2CH 4K@30fps
Decode Capability	9CH 720P@30fps
Remote Playback	4 Channel / 1 Channel
Search Mode	ALL, Channel, Manual, Time, Date, Motion Detection
Playback Functions	Play, Pause, Stop, Fast play, Slow play, Rewind, Single frame forward/back, Digital Zoom, Full screen
Backup Mode	USB Device(with format FAT 32)

Network

Interface	1 RJ45 10M/100/1000M Adaptive Ethernet Interface
Network Functions	TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, PPPoE, DHCP, FTP, DDNS, RTP, RTSP, RTCP
Extra Stream	D1/CIF(1~30fps)
Web Browser	IE8-11, Google Chrome (lower than Ver44), Firefox (lower than Ver53)
Smart Phone	iPhone, iPad, Android, Android Pad

General

Power Supply	DC 12V/2A
Consumption	≤10W (Without HDD)
Working Temperature	-10 °C to 55 °C
Working Humidity 1	0 to 90 %
Dimension	260 x 215 x 43 mm