

AVS-1808

8 Channel 720P 2U AVS DVR



- Up to 8 channel video 1080p realtime live view
- H.264 dual-stream video compression
- All channel 720p
- HDMI / VGA / TV simultaneous video output
- 8 channel synchronous realtime playback, GRID interface & smart search
- Support 8 SATA HDDs up to 32TB, 1 eSATA up to 16TB, 4 USB2.0



System Overview

IC Realtime's newest generation digital video recorder adopts HD-AVS technology, our in-house technology is an over-coaxial-cable analog HD video transmission standard, allowing long-distance HD transmission at a lower cost to meet the requirements for a complex and large installation. It supports up to 8 channels of HD-AVS/CVBS inputs, 8 channels local live-view channels, and 8 playback channels.

Designed as a low-cost, easy installation product, this HCVR is ideal for a wide range of applications such as public safety, retail store, transportation, home protection and education.

It is compatible with numerous third-party devices making it the perfect solution for surveillance systems with or without a video management system (VMS). Its open architecture supports multi-user access and is compatible with ONVIF 2.42.

Smart Fan Design

The smart fan can automatically turn on or turn off according to the CPU temperature. This function can effectively reduce the fan noise to provide a better user experience.

Flexible Recording

The AVR offers a variety of configurable recording options and schedule that saves HDD space and active monitoring time. The recorder monitors incoming video and can be programmed to record if motion is detected or if an alarm is triggered. The recorder can also be programmed to record on a schedule or at different intervals. The recording options and schedules can be set for each individual camera or copied to all cameras.

Technical Specification

System

Main Processor	Embedded Processor
Operating System	Embedded LINUX

Video

IP Video Input	N/A
Analog Video Input	8
Loop Output	N/A
AVS Resolution	720P/960H/D1/HD1/2CIF/CIF(1~25/30fps)
AHD Resolution	N/A
TVI Resolution	N/A
CVBS Standard	NTSC(525Line, 60f/s), PAL(625Line, 50f/s)

Audio

Input	8 channel, BNC
Output	1 channel, BNC
Two-way Talk	1 channel Input, 1 channel Output (reuse the audio output channel), BNC

Display

Interface	1 HDMI, 1 VGA, 1 BNC
Resolution	1920× 1080, 1280× 1024, 1280× 720, 1024× 768
Display Split	1/4/8/9
Privacy Masking	4 rectangular zones (each camera)
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Recording

Video/Audio Compression	H.264 / G.711
Image Resolution	720P(1280× 720/1280× 600)/960H(960× 576/960× 480)/D1/4CIF(704× 576/ 704× 480) / CIF(352× 288/352× 240) / QCIF(176× 144/176× 120)
Record Rate	Main stream: 20P/960H/D1/HD1/2CIF/CIF(1~25/30fps) Sub stream: CIF/QCIF(1~25/30fps)
Bit Rate	48~6144Kb/s
Record Mode	Manual, Schedule(Regular(Continuous), MD, Alarm), Stop
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec

Video Detection & Alarm

Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Spot, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396(22× 18), Video Loss & Camera Blank
Alarm Input	8 channel
Relay Output	6 channel

Playback & Backup

Sync Playback	1/4/8
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

Network

Ethernet	2 RJ-45 ports (1000M)
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, Alarm Server
Max. User Access	128 users
Smart Phone	Android, iOS, iPhone

Storage

Internal HDD	8 SATA ports (8HDDs or 6HDDs+1CD/DVD-RW), up to 32TB
External HDD	1 eSATA port (Max 4 SATA HDDs), up to 16TB

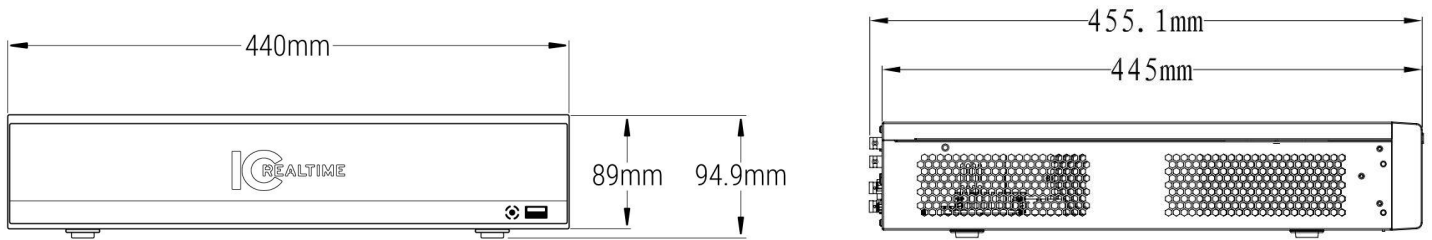
Auxiliary Interface

USB	4 ports (2 Rear), USB2.0
RS232	1 port, For PC communication & Keyboard
RS485 RS422	1 port, For PTZ control, 1 port for Keyboard

General

Power Supply	AC100V-240V,50/60Hz
Power Consumption	<30W (Without HDD)
Working Environment	-10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH
Dimensions (W×D×H)	2U, 440mm× 460mm× 89mm (17.3"×18.1"×3.5")
Weight	6.5KG (without HDD)

Dimensions (mm/in)



Panels

