AVR-808S
8 Channel Hybrid DVR

IC REALTIME

- Embedded processor
- H.264+/H.264 video compression
- Support HDAVS/AHD/CVBS video inputs
- Max 64 channels IP camera inputs, each channel up to 12MP
- Max 256Mbps Incoming Bandwidth
- Smart Search and Intelligent Video System

System Overview

IC Realtime's newest generation digital video recorder adopts HDAVS technology, this 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 HDAVS/CVBS inputs, or up to 64 total IP camera channels, 16 local live-view channels, and 16 playback channels.
Designed as a low-cost, easy installation product, this AVR 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 H.264+
With the H.264+ Smart Codec, you can reduce bit rates and storage requirements by up to 70% without having to invest in new cameras.

Fisheye Dewarping
The AVR features multiple fisheye dewarping modes to make viewing video easy whether its live or during playback.

Spot Output
The AVR provides a spot output channel for a secondary monitor. This monitor allows the operator to view one monitor that is assigned to selected cameras or video inputs from high-security areas

Intelligent Video System (IVS)
With built-in intelligent video analytics, the AVR has the ability to detect and analyze moving objects for improved video surveillance. The AVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a predetermined line has been crossed.

MO-20190301-HV2-D1.01

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Technical Specification

System

Main Processor	Embedded Processor
Operating System	Embedded LINUX

Video

IP Video Input	64 Channel, each channel up to 12MP
Analog Video Input	8
Loop Output	N/A
AVS Resolution	1080P/720P(1/16~25/30fps)
AHD Resolution	1080P/720P(1/16~25/30fps)
TVI Resolution	1080P/720P(1/16~25/30fps)
CVBS Standard	PAL/NTSC

Audio

Input	8 channel, BNC
Output	1 channel, BNC
Two-way Talk	1 channel Input, 1 channel Output, BNC

Display

Interface	2 HDMI ,1 VGA,1 TV
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+/H.264
Image Resolution	1080P, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate	Main stream: 1080P/720P/960H/D1/HD1/BCIF/CIF/QCIF (1/16~25/30fps) Sub stream:960H/D1/CIF/QCIF(1/16~25/30fps)
Bit Rate	1Kbps ~ 6144Kbps Per Channel
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

Video Detection & Alarm

Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss,Tampering and Diagnosis
Alarm Input	8 channel
Relay Output	6 channel

Playback & Backup

Sync Playback	1/4/9
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/Internal SATA/eSATA Device

Network

Ethernet	2 RJ-45 ports (1000M)
Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P, IP Search (Supports ICR IP cameras, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	Android, iOS, iPhone

Storage

Internal HDD	8 SATA Ports, up to 8TB capacity for each disk
External HDD	1 eSATA port

Auxiliary Interface

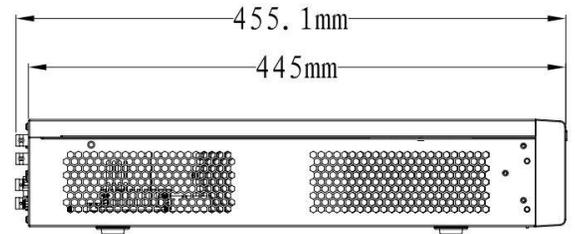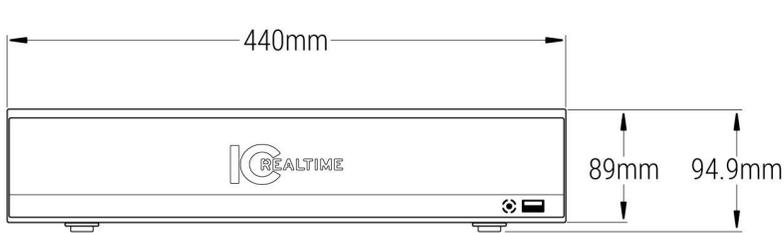|	
USB	4 USB Ports (2 USB 2.0 , 2 USB 3.0)
RS232	1 port, For PC communication & Keyboard
RS485	1 Port, for PTZ Control

General

Power Supply	AC100V-240V,50/60Hz
Power Consumption	<40W (Without HDD)
Working Environment	-10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH
Dimensions (W×D×H)	2U, 440mm×460mm×89mm (17.2"×18.1"×3.5")
Weight	9.8kg (21.6lb)

Certifications

Certifications	FCC: Part 15 Subpart B ICES 003 Issue 6 CE: EN 55032: 2012+AC:2013 (Class B) EN 55024 : 2010 EN 61000-3-2 : 2014 EN 50130-4: 2011 EN 61000-3-3 : 2013 UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07

Dimensions (mm/in)

440mm

89mm 94.9mm

455.1mm

445mm

Panels