

AVR-1604

4 Ch 1080P / 720P HDAVS, Analog, & IP 1.5U Standalone DVR



- Up to 4 cameras with 1080P / 720P realtime preview
- H.264 dual-stream video compression
- All channel 1080P / 720P
- 3D intelligent positioning with IC Realtime PTZ camera
- Support 4 SATA HDD up to 24TB, 1 eSATA, 3 USB 2.0
- ONVIF

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 4 channels of HD-AVS/CVBS inputs, 4 channels local live-view channels, and 4 playback channels.

This recorder also has the capability of supporting up to (2) 1080P or less IP cameras, by disabling two of the AVS inputs.

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.

Long Distance Transmission

The HDAVS system supports long distance transmission over coaxial cable and UTP, max. 800m for 1080P and 1200m for 720P.

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	Supports up to 2 channels of 1080P / 720P IP Cameras
Analog Video Input	4
Loop Output	N/A
AVS Resolution	1080P (1 ~ 15fps) / 720P / 960H / D1 / HD1 / 2CIF / CIF
AHD Resolution	N/A
TVI Resolution	N/A
CVBS Standard	525 TVL 60fps

Audio

Input	4 channel, BNC
Output	1 channel, BNC
Two-way Talk	1 Channel Input, 1 Channel Output, BNC

Display

Interface	1 HDMI, 1 VGA, 1 TV
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Display Split	1/4
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	1080P, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate	Main Stream: 1080P (1 ~ 15fps) / 720P / 960H / D1 / HD1 / 2CIF / CIF (1 ~ 30fps) Extra Stream: CIF / QCIF (1 ~ 30fps)
Bit Rate	48Kb/s ~ 4096Kb/s Per Channel
Record Mode	Manual, Schedule (Regular (Continuous), MD), 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	4 channel
Relay Output	6 channel

Playback & Backup

Sync Playback	1/4
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 / eSATA Device

Network

Ethernet	RJ-45 port (10/100M/1000M)
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, SNMP, P2P
Max. User Access	128 users
Smart Phone	Android, iOS, iPhone

Storage

Internal HDD	4 SATA ports, up to 24TB
External HDD	1 eSATA port

Auxiliary Interface

USB	3 ports (2 Rear), USB2.0
RS232	1 port, For PC communication & Keyboard
RS485	1 Port, for PTZ Control

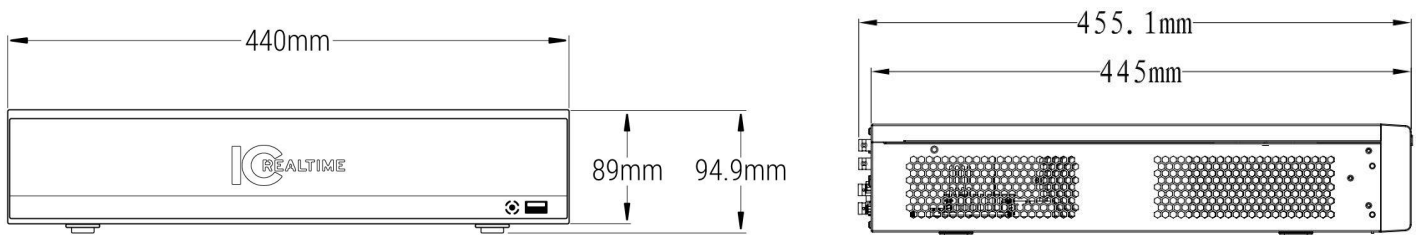
General

Power Supply	AC 100~240 V, 50/60 Hz
Power Consumption	<40W (Without HDD)
Working Environment	-10°C ~ +55°C (+14°F ~ +131°F), 10~ 90% RH
Dimensions (W×D×H)	1.5U, 17.32"×16.38"×2.68" (440mm×416mm×68mm)
Weight	6.0kg (13.23 lb) (without HDD)

Certifications

Certifications	UL: UL60950-1
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Dimensions (mm/in)



Panels

