



- Embedded processor
- H.264 dual stream encoding
- 8 Channels of 960H recording
- 2 HDMI/VGA/TV/Spot video output
- Max 160Mbps Incoming Bandwidth
- ONVIF 2.0 compatible

System Overview

The flagship DVR of IC Realtime! the Flex series digital video recorder. The Flex series has seen several hardware upgrades over its tenure in the IC Realtime lineup. The Flex series is a battle hardened, full sized (19" wide, 2U high) DVR capable of housing 8 HDDs internally. The Flex series recorders are typically installed in a standard 19" equipment rack, or are installed on a desktop.

The latest generation of the Flex series recorders are hybrid units capable of recording analog and IP systems. Due to its stronger hardware and larger internal HDD capacity, the Flex DVR is well suited for installation in the most demanding applications. Typical Flex DVR deployments include: light to heavy commercial sites, large offices, financial institutions, educational institutions, and gambling establishments (Casinos, etc.).

These DVRs also integrate with the full suite of supported IC Realtime A/V control system drivers.

H.264

Like all IC Realtime series recorders, this device utilizes H.264E (Enhanced H.264) compression technology, enabling crisp image viewing with the least bandwidth consumption possible. This unit adopts an embedded system design, as well as a Linux Operating System, resulting in high levels of stability, performance, and most importantly: reliability. In addition, this unit is fully operational from remote locations (Search / Playback / Backup / Configuration) over standard Ethernet networks.

Technical Specification

System

Main Processor	Embedded Processor
Operating System	Embedded LINUX

Video

IP Video Input	N/A
Analog Video Input	8
Loop Output	8 Channel, BNC
AVS Resolution	N/A
AHD Resolution	N/A
TVI Resolution	N/A
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, 1 Spot, BNC
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Display Split	1/4/9/16
Privacy Masking	4 rectangular zones (each camera)
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Recording

Video/Audio Compression	H.264
Image Resolution	1080P, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate	Main stream (IP): 1080P(1920× 1080) / 720P(1280× 720) Main Stream(Analog): 960H(960× 576/960× 480) Sub stream:CIF/QCIF(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	4 channel
Relay Output	6 channel

Playback & Backup

Sync Playback	1/4/9/16
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/eSATA Device/Internal SATA burner/Network

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 (8HDDs or 6HDDs+1CD/DVD-RW), up to 32TB
External HDD	1 eSATA port

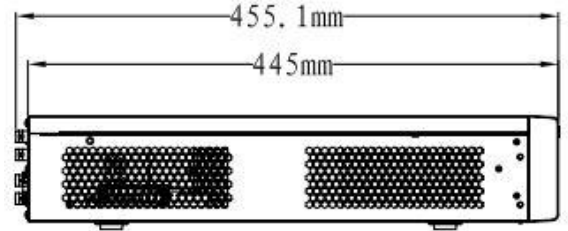
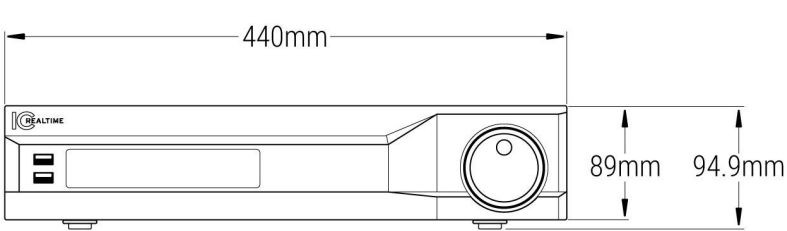
Auxiliary Interface

USB	4 ports (2 Rear), USB2.0
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(No HDD)	6.5kg (14.3lb)

Dimensions (mm/in)



Panels

