



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.

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.



4/8/16 Channel Hybrid Features

- Up to 8/16/32 channel with 1080p real-time live view
- H.264/MJPEG decoding & H.264 dual-stream encoding
- IP: Max 160Mbps bit rate incoming
- HDMI / VGA / TV/ Spot simultaneous video output
- All channel synchronous real-time playback, GRID interface & smart search
- ONVIF Version 2.0
- Auto IP address acquisition by IP Search function
- Support 8 SATA HDDs up to 32TB, 1 eSATA up to 16TB, 4 USB2.0
- Multiple network monitoring: Web browser, SmartICRSS, ICRSS Pro

Model	FLEX4E	FLEX8E	FLEX16E
System			
Main Processor	Dual-core embedded processor		
Operating System	Embedded LINUX		
Video			
IP Video Input	04 ch	08 ch	16 ch
Analog Video Input	04 ch, BNC	08 ch, BNC	16 ch, BNC
Analog Video Standard	NTSC(525Line, 60f/s), PAL(625Line, 50f/s)		
Loop Output	04 ch, BNC	08 ch, BNC	16 ch, BNC
Audio			
Input	04 ch, BNC	08 ch, BNC	16 ch, BNC
Two-way Talk	1 channel Input, 1 channel Output(reuse the audio output channel), BNC		
Display			
Interface	2 HDMI, 1 VGA, 1 TV, 1 Spot, BNC		
Resolution	1920x1080, 1280x1024, 1280x720, 1024x768		
Display Split	1/4/8	1/4/8/9/16	1/4/8/9/16/25/36
Recording			
Video/Audio Compression	H.264 / MJPEG(IP) / G.711		
Image Resolution	1080P(1920x1080) / 720P(1280x720) / 960H(960x576/960x480) / D1/4CIF(704x576/704x480) / HD1(352x576/352x480) / 2CIF(704x288/704x240) / CIF(352x288/352x240) / QCIF(176x144/176x120)		
Record Rate	IP: Max 160Mbps inbound bit rate	Analog: All channels@960H (30fps)	
Bit Rate	IP: 48~8192Kb/s	Analog: 48~3072Kb/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(22x18), Video Loss & Camera Blank		
Alarm Input	4 channel	8 channel	16 channel
Playback & Backup			
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search		
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	2 RJ-45 ports (10/100M/1000M)		
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, Alarm Server, IP Search		
Storage			
Internal HDD	8 SATA ports	External HDD 1 eSATA port	
Auxiliary Interface			
USB Interface 4 ports (2 Rear), USB2.0 : RS232 1 Port communications & Keyboard : RS485 1 port for PTZ control			