

H.264E Hybrid DVRs 4/8/16-CH Analog + 4/8/16-CH IP

FEATURES

- Embedded High-Speed Dual-Core Microprocessor & Linux OS
- H.264E/MPEG-4 decoding & H.264 dual-stream encoding
- Up to 20/24/32 channel with 1080P realtime live view
- DVR400H4: 4 channel D1 Analog & 4 channel@D1 / 2 channel@720P / 1 channel@1080P IP camera inputs
- DVR800H8: 8 channel D1 Analog & 8 channel@D1 / 4 channel@720P / 2 channel@1080P IP camera inputs
- DVR1600H16: 16 channel D1 Analog & 16 channel@D1 / 8 channel@720P / 4 channel@1080P IP camera inputs
- Auto Discovery of Network Cameras
- Support remote network camera encoding setting & image adjustment
- Support Multi-brand network cameras such as: ICRealtime, Arecont Vision, AXIS, Canon, Dynacolor, Panasonic, SAMSUNG, SANYO, SONY and ONVIF
- 16-channel simultaneous real-time playback
- Smart Search and Quick-Pinpoint Grid Interface
- Loop back video output for every channel
- Matrix video output for Spot monitor applications
- HDMI, VGA, BNC Synchronous Video Output
- Alarm Triggering: Screen notification, audio alarm, PTZ, Email and/or FTP upload
- SmartPhone Access (iPhone/iPad, Android, Blackberry)
- 1000M Network
- Central management software for viewing/managing multiple DVRs
- 8 SATA HDD and one eSATA port for Up to 38 TeraBytes (38,000G) Storage
- Fault-proof Harddrive Grouping and Redundancy System
- Support Blu-Ray Burner



OVERVIEW

The New Hybrid DVR series - Real-time recording at full D1 resolution, plus synchronized audio at every channel. Accept both analog and ip cameras.

These DVRs are designed to provide a combination of 4/8/16 Analog inputs and 4/8/16 IP inputs. With the ability to provide H264E realtime recording across all channels, it is ideally suited for supporting a hybrid system configuration.

The DVRs incorporate a HDMI interface delivering high definition 1080i resolution images that provide remarkable crisp clear pictures of depth and definition.

The beauty of these systems is that they provide for the upgrade and expansion of existing CCTV systems without the necessity of incurring the expensive retro-fit associated with the replacement of the older analogue cameras. The DVR's receive the combined signals into one centralized, stable embedded platform.

OVERVIEW

System	
Main Board Processor	High performance embedded dual core microprocessor
Operation System	Embedded LINUX
System Resources	Pentaplex function: live, recording, playback, backup & remote access
Control Mode	Front panel, USB mouse, IR remote control, Keyboard, Network
Video	
Standard	NTSC(525Line, 60f/s), PAL(625Line, 50f/s)
IP Input	4/8/16 channel, 1080P@H.264, 720P@MPEG4
Analog Input	4/8/16 channel, BNC(1.0Vp-p, 75Ω)
Output	1 TV, 1 Spot, BNC(1.0Vp-p, 75Ω)
	Support all ICR realtime IP Cameras
Loop Output	4/8/16 channel
Audio	
Input	4/8/16 channel, BNC(200-2800mV, 30KΩ)
Output	1 channel, BNC(200-3000mV, 5KΩ)
Bidirectional Talk	1 channel Input, BNC(200-2800mV, 30KΩ), 1 channel Output, BNC(200-3000mV, 5KΩ)
Display	
Display Split	1/4/8/9/16/20
Resolution	1920x1080, 1280x1024, 1280x720, 1024x768, 800x600
Tour Display	Yes
Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera
OSD	Camera title, time, video loss, camera lock, motion detection, recording
Recording	
Video/Audio Compression	H.264 / G.711
Image Resolution	1080P(1920x1080) / 720P(1280x720)/D1/4CIF(704x576/704x480) / CIF(352x288/352x240) / QCIF(176x144/176x120)
Encoding Speed	Main Stream: 1080P/720P/D1/HD1/2CIF/CIF(1~25/30fps) Extra Stream: CIF/QCIF(1~25/30fps)
Bit Rate	Analog video: 32~2048Kb/s, IP video: 32~4096Kb/s
Image Quality	1~6 level(level 6 is the best, VBR effectively)
Recording Mode	Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop
Recording Priority	Manual > Alarm > MD > Regular
Recording Interval	1~120 min. (default: 60 min.), Pre-record: 1~30 sec., Post-record: 10~300 sec.
Video Detection & Alarm	
Trigger Events	Recording, PTZ movement, Tour, Alarm, Email, Spot output
Motion Detection	Zones: 396(22x18), Sensitivity: 1~6 (level 6 is highest)
Video Loss & Camera Blank	Yes
Alarm Input	4/8/16 Channel
Relay Output	6 channel
Playback & Backup	
Playback Channel	1,2,4,All
Search Mode	Time/Date, Alarm, Motion Detection & 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 selectio
Backup Mode	Flash drive/ USB HDD/ USB CD/DVD-RW / eSATA Device / Built-in SATA burner/ Network download

OVERVIEW

Network	
Ethernet	RJ-45 port (10/100M/1000M)
Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server
Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log information
Hard Disk	
Hard Disk	8 SATA ports, 8 HDDs or 6 HDDs + 1 CD/DVD-RW/Blu-Ray, Max 4TB per HDD supported
HDD Usage	Audio: 28.8MB/H, Video: 56~1800MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid(Redundancy)
Auxiliary Interface	
USB Interface	USB2.0: 2 ports, 1 for mouse control, 2 for backup
eSATA	1 port Recording & Backup
RS232	ICRealtime keyboard, PC communication
RS485	PTZ control
Environmental	
Power Supply	AC 100~240 V, 50/60 Hz
Power Consumption	25/30/40W
Working Environment	14°F~130°F/-10°C~+55°C / 10~90%RH / 86~106kpa
Dimension	440mmx460mmx89mm(WxDxH) 2U Standard
	17.3"x16.9"x3.5" (WxDxH) 2U Standard Case
Weight	25LB/11.0KG (without HDD)

