

H.264E HD SDI High Definition 4-Channel DVR

FEATURES

- ➔ 4 channel HD-SDI 1080P standalone DVR
- ➔ Dual-core CPU presents the powerful preview, recording, playback and network performance
- ➔ 4 channel 1080P(25/30)/1080i(50/60)/720P(25/30,50/60) HD-SDI video inputs
- ➔ H.264 dual-stream video compression
- ➔ 4 channel@1080P realtime recording
- ➔ HDMI / VGA / TV (BNC) synchronous video output
- ➔ Up to 4 channel 1080P cameras realtime preview
- ➔ 4 channel simultaneous realtime playback, GRID interface & smart search
- ➔ Smart video detection: MD, camera blank, video loss
- ➔ 3D intelligent positioning with Dahua PTZ dome camera
- ➔ Easy backup: USB devices, CD/DVD-RW & network download
- ➔ Alarm triggering screen tips, buzzer, PTZ, e-mail & FTP upload
- ➔ Support 8 SATA HDDs up to 24TB, 1 eSATA up to 12TB, 3 USB2.0
- ➔ Built-in web server, CMS(PSS) & ICRSS



OVERVIEW

The New HD-SDI series - Real-time recording at 960 resolution, plus synchronized audio on every channel.

These DVRs are designed to provide a extreme high resolution at 720i. With the ability to provide H264E Real-time recording across all channels,

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

System	
Main Board Processor	High performance dual-core embedded 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	
Input	4 channel, HD-SDI video, BNC
Standard	1080P(25/30)/1080i(50/60)/720P(25/30,50/60)
Output	1 HDMI, 1 VGA, 1 TV(BNC, 1.0Vp-p, 75Ω)
Loop Output	4 channel, HD-SDI, BNC
Audio	
Input	4 channel, BNC(200-2800mV, 30KΩ)
Output	1 channel, BNC(200-3000mV, 5KΩ)
Voice Intercom	1 channel Input, BNC(200-2800mV, 30KΩ), 1 channel Output, BNC(200-3000mV, 5KΩ)
Display	
Display Split	1/4
Resolution	1920x1080, 1280x1024, 1280x720, 1024x768
Tour Display	Supported
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

OVERVIEW

Recording	
Video/Audio Compression	H.264 / G.711
Image Resolution	1080P(1920x1080), 1080P/4(960x540), 1080P/16(480x270), 720P(1280x720), 720P/4(640x360), 720P/16(320x180)
Encoding Speed	Main Stream: 1080P, 1080P/4, 720P, 720P/4 (1~25/30fps) Extra Stream: 1080P/4, 1080P/16, 720P/4, 720P/16 (1~25/30fps)
Bit Rate	256~8096Kb/s per channel
Recording Quality	CBR, VBR (1~6 level, level 6 is the best)
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, FTP, Buzzer & Screen tips
Motion Detection	Zones: 396(22x18), Sensitivity: 1~6 (level 6 is highest)
Video Loss & Camera Blank	Supported
Alarm Input	16 Channel
Relay Output	6 channel
Playback & Backup	
Playback Channel	1/2/4/8
Search Mode	Time/Date, Alarm, Motion Detection & 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 selectio
Backup Mode	Flash drive/ USB HDD/ USB CD&DVD-RW / eSATA Device / Built-in SATA burner/ Network download
Network	
Ethernet	RJ-45 port (10/100M/1000M)
Network Functions	HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, 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, Up to 24TB
eSATA	4 External SATA ports, up to 12TB
Space Occupation	Max 3.6 GB/H per channel
HDD Management	HDD Group, HDD hibernation technology, HDD faulty alarm & Raid(Redundancy)
Auxiliary Interface	
USB Interface	3 ports, For mouse control & backup
RS232	ICRealtime keyboard, PC communication
RS485	PTZ control
Environmental	
Power Supply	AC 100~240 V, 50/60 Hz
Power Consumption	40W (without HDD)
Working Environment	14° F~130°F/-10°C~+55°C / 10~90%RH / 86~106kpa
Dimension	2U, 440mmx460mmx89mm(WxDxH) 2U, 17.32"x18.11"x3.50"(WxDxH)
Weight	16lb or 6.5kg or 229.28oz(without HDD)