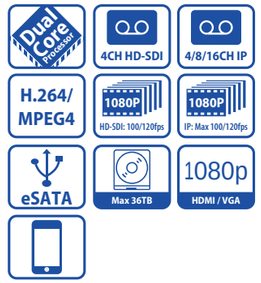
DVR-04HDU

IP 16CH / HD-SDI 4CH 1080P 2U Standalone Hybrid DVR



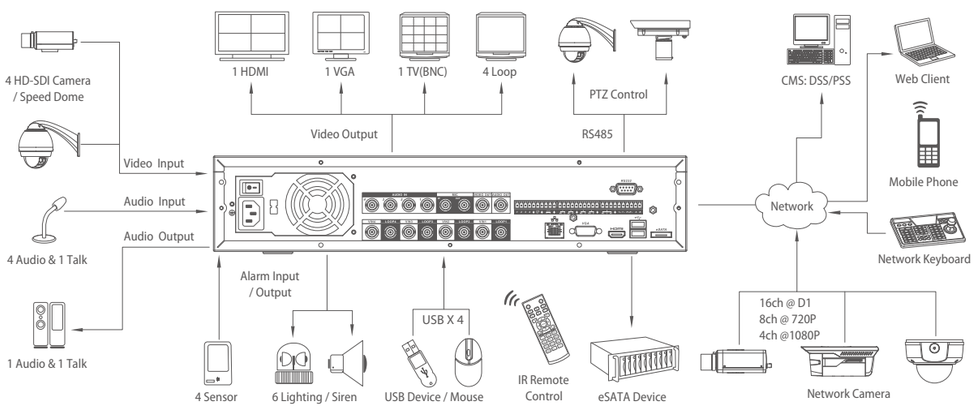
Model

DVR-04HDU: 16 channel@D1 / 8 channel@720P / 4 channel@1080P IP camera inputs; 4 channel HD-SDI (1080P/1080i/720P) video inputs with 100/120fps recording, 4 channel audio inputs, and 4 channel loop outputs. It can support HDMI, VGA, eSATA, USB2.0 and 8 HDDs.

Features

- 16 channel IP and 4 channel HD-UDI 1080P 2U standalone DVR
- Dual-core CPU presents the powerful preview, recording, playback and network performance
- Up to 20 channel 1080P realtime preview
- H.264/MPEG-4 decoding & H.264 dual-stream encoding
- IP: 16 channel@D1, 8 channel@720P, 4 channel@1080P realtime recording
- HD-SDI: 4 channel 1080P realtime recording
- HDMI / VGA / TV (BNC) synchronous video output
- All channel simultaneous realtime playback, GRID interface & smart search
- Support Multi-brand network cameras such as: Dahua, Arecont Vision, AXIS, Canon, Dynacolor, Panasonic, SAMSUNG, SANYO, SONY and ONVIF
- Support remote network camera encoding setting & image adjust
- IP Search feature to auto discover network cameras
- Smart video detection: MD, camera blank, video loss
- 3D intelligent positioning with Dahua PTZ dome camera
- Easy backup: USB/eSATA 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, 4 USB2.0
- Built-in web server, CMS(DSS/PSS) & DMSS

System Connection



Specifications

Model	DVR-04HDU
System	
Main Processor	High performance Dual-core embedded microprocessor
Operating 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	
IP Camera Input	16 channel@D1 / 8 channel@720P / 4 channel@1080P
IP Camera Supported List	Dahua, Arecont Vision, AXIS, Canon, Dynacolor, Panasonic, SAMSUNG, SANYO, SONY, ONVIF, Videosec
HD-SDI Input	4 channel, BNC
Standard	1080P(25/30)/1080i(50/60)/720P(25/30,50/60), (SMPT274/292)
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	1/4/8/9/16/25
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Tour Display	Support
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(1920×1080) / 720P(1280×720) / D1/4CIF(704×576/704×480)
Encoding Speed	IP: Max 480fps@D1 / 240fps@720P / 120fps@1080P
	HD-SDI: Max 100/120fps@1080P + 100/120fps@D1
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(22×18), Sensitivity: 1~6 (level 6 is highest)
Video Loss & Camera Blank	Support
Alarm Input	4 channel
Relay Output	6 channel
Playback & Backup	
Playback Channel	1/2/4/All
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(any size)
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 3.6GB/H per channel
HDD Management	HDD Group, HDD hibernation technology, HDD faulty alarm & Raid(Redundancy)
Auxiliary Interface	
USB Interface	4 ports, For mouse control & backup
RS232	Dahua keyboard, PC communication
RS485	PTZ control
Environmental	
Power Supply	AC 100~240 V, 50/60 Hz
Power Consumption	40W(without HDD)
Working Environment	-10 ~+55℃ / 10~90%RH / 86~106kpa
Dimension	2U, 440mm×460mm×89mm(W×D×H)
Weight	6.5KG(without HDD)