

HD DVR

H.264 4ch real time HD-SDI Stand Alone DVR

HD400H



Key Features

- 4ch HD-SDI stand-alone DVR with **H.264** and JPEG dual codec
- HD-SDI video input standard SMPTE 292M applied (1080p/720p Multi Signal Input)
- Max. 60fps recording with 1080p, 120fps recording with 720p
- Adjustable resolution (1080p, 720p) and frame rate per channel
- 4 internal SATA type HDDs (Max. 4 HDDs can be installed)
- Real-time multi channels playback
- Support external storage with Max. 64TB via Storage (NVS04R) or 16TB with eSATA
- Support multi stream for Recording , Network and Mobile view simultaneously
- Provide bundle CMS (supports 1,000 units registration E-map, view set and schedule backup)
- USB mouse and user friendly GUI
- 4ch audio inputs for recording and 1ch output for two-way audio
- Built-in HDMI /VGA video out supporting 1080p
- Built-in multiplexer for 4ch live monitoring and playback (1/4 mode)
- Built-in DVD writer, USB and eSATA port for data backup
- PTZ control (support preset) via RS485
- Support dynamic IP through own DDNS server
- Support IR remote controller and external keyboard/joystick via RS485/232
- Built-in web server for web browser monitoring , playback and backup
- Support NTP (Network time protocol) for time synchronization
- Event, Thumbnail, Date/time, Log, Text, Smart search available from Control Center software
- Support IPFR (Intelligent power failure recovery) file system
- Mobile webpage supported (For iPhone, Black Berry, Android platform)
- FCC, CE, MIC, RoHS Under approval



Connection Diagram

Specification (HD400H)

Item		Description
Video Input	HD-SDI Ch	4ch HD-SDI (SMPTE 292M) input BNC connectors
Video Output	Monitor	1HDMI/ 1VGA
Video Compression		H.264 & JPEG
Display	Speed	120fps
	Resolution	1080p, 720p
	Multi Screen	1, 4 ch
Recording	Speed	60fps at 1080p , 120fps at 720p
	Resolution	1080p, 720p
Sensor Input / Relay Output		4 input / 4 output, Configurable NO/NC
System Control		Key buttons, Remote client, IR remote, Keyboard controller (Option)
PTZ Control		RS485
Audio		4ch input / 1ch output
Camera Title		22 Characters per channel
Recording Mode		Manual & Event / Schedule & Event
Recording Quality		5 levels of compression rate / Record frame rate adjustment
Pre/Post Recording		5sec /60sec
Motion Detection		22x15 grid
Search Mode		Event, Thumbnail Date/Time, Log, Text, Smart available from Control Center software
Playback Mode		Forward, Reverse, Pause, ½ x, 1x, 2x, 4x, 8x, 16x, 32x, 64x
Multiplex Function		Simultaneous Record/Playback/backup, Remote monitoring/Remote playback
Alarm Notification		Automatic e-mail, Internal buzzer, Relay-out, Pop-up screen, Network Event, ftp sending
File System		Intelligent power failure recovery
Watermark		Yes
Password Protection		11 level (1 Admin / 10 User)
Backup		DVD writer (DVD-R 4.7G media), eSATA, USB, Network
Interface		1 RS 232C, 2 RS 485
Storage		4 internal SATA HDD, 1 eSATA, Giga Ethernet for NVS04R
Network		TCP/IP, ARP, ICMP, DHCP, PPPoE, UDP, SMTP, SNMP, FTP, SNT, HTTP, TLS
Remote Control	CMS	Provide bundle CMS (supports 1,000 units registration E-map, view set and schedule backup) Functions: supports 1,000 units registration E-map, view set and schedule backup
	Web viewer	Built-in web server for web browser monitoring , playback and backup
	Mobile	Mobile Webpage supported (For iPhone, Black Berry, Android platform)
Operating System		Embedded Linux
Temperature Range	Operation	+5℃ ~ +45℃ (+41F ~ +113F)
	Storage	-25℃ ~ +70℃ (-13F ~ +158F)
Relative Humidity	Operation	85% RH below
	Storage	95% RH below
Dimensions (mm)		445(W) x 442(D) x 88(H)
Weight		TBD
Power Consumption		AC 100~240V, 50/60Hz, Max. 75W, Typical 50W (TBD)
Total Integration Solution & API		Control Center, SDK

