

HD-DVR

Model: IDVR-3160

**16-CH HD, Real-time H.264
Digital Video Recorder**



Features

- 16-CH HD, real-time H.264 DVR with Hexaplex operation – record, live, playback, backup, control, & remote access
- H.264 High Profile video compression/decompression with configurable quality
- Max record capabilities – 1080p/720p 480/400
- Max playback capabilities – 720p 240/200, 1080p 120/100
- Real-time live display for each channel
- Two-way audio capabilities
- Smart search & playback
- Audio in * 16 / audio out * 2
- HDMI * 1, VGA * 1, Main monitor * 1, Call monitor * 1
- Up to 5 SATA HDDs, or 4 SATA HDDs and 1 DVD
- Alarm in * 16 / alarm out * 4, alarm set/unset, panic
- Ethernet and USB 3G dongle support for remote access through I.E. or proprietary remote software, e-mail alarm notification, FTP file storage, remote setup and software upgrade
- Free DDNS server
- Support remote PC with Windows 8/7, Vista, XP, and 2003
- 1 I.E./Firefox software for multiple DVRs
- Remote access through mobile phone/PDA/Tablet PC with free iPhone/iPad/Android software app.
- RS-232 and RS-485 for PTZ, keyboard control, POS, and GPS support
- USB 2.0 for video/audio backup to versatile storage devices
- Internal DVD Models: Video/audio backup to internal DVD, including DVD+RW, DVD+R, and DVD-R
- eSATA connector for HDD extension
- Keypad, remote control, & mouse operation
- Digital watermark
- Multi-lingual support for setup and display
- OCX SDK available for the integration with different applications

Specifications

System	O.S.	Embedded Linux 3.0
	Multiplex	Hexaplex operation - simultaneous record, live, playback, backup, control, & remote access
	Certification	FCC, CE, etc.
Video	Format	HD-SDI
	Input	16-CH HD-SDI (SMPTE 292M), BNC, 0.8Vp-p /75ohm, up to 1080p30, 720p60
	Main monitor	HDMI x 1, with resolution up to 1920x1080, VGA x 1, with resolution up to 1920x1080, BNC x 1, 1Vp-p/75ohm
	Call monitor	BNC x 1, 1Vp-p/75ohm
	Loss detection	Yes
	Motion detection	Yes, with configurable detection area & sensitivity
	Privacy mask	Yes
Audio	Input	16 RCA-jack connectors, line-in level (100mV-2Vrms)
	Output	HDMI, 2 RCA-jack connectors, line-out level (up to 2Vrms)
Record	Compression	Video: H.264 High Profile Audio: ADPCM
	Max frame rate & resolution	1080p/720p 480/400
	Watermark	Yes
	Mode	Manual/Schedule/Alarm/Motion/Panic
	Pre-record time	0 - 10 seconds
	Post-record time	0 - 60 minutes
Display	Resolution	HDMI/VGA – up to 1920x1080 NTSC – 720*480, PAL – 720*576
	Split windows	1/4/7/9/10/13/16
	Frame rate	Up to 30/25 IPS per display window
	Digital Zoom	X2, X4
	Sequential switch	User adjustable
Playback	Max frame rate & resolution	720p 240/200, 1080p 120/100
	Search	Smart search, Date/time, Camera, Alarm, & Motion
	Operation	Play, Fast Forward, Backward, Pause, Stop, etc.
Storage	HDD	Up to 5 sets of SATA HDDs with storage > 3TB/HDD Failure detection & privacy law supported
	HDD Extension	1 eSATA connector
	Backup	2 USB 2.0 port Internal DVD models: DVD+RW, DVD+R, DVD-R Self playback for backup files
Alarm	Set/unset	1 contact or TTL/CMOS signal, polarity selectable
	Panic	1 contact or TTL/CMOS signal, polarity selectable
	Input	16 contact or TTL/CMOS signal, polarity selectable
	Output	2 Normally Open, 2 Normally Closed relay output
	Buzzer	Yes
	Triggered by	Sensor input, Video loss, & Motion
	Event log	Yes
Network	Ethernet	1 RJ-45 10M/100M/1G bps Ethernet connector
	USB 3G dongle	Yes
	Web	Remote setup, monitoring, backup, alarm notification, & remote software upgrade

		Support Windows 8/7, Vista, XP, and 2003 1 I.E./Firefox for multiple DVRs Configurable HTTP/SMTP/FTP/Control/Data port
	DDNS	Free DDNS server
	E-mail	Alarm notification to stationary or mobile devices
	FTP	Alarm video/audio file storage
	Video	1/4/9/16/25/36/49/64 split-window & SEQ mode for I.E. and HEM Dynamic electronics maps for HEM N-Streaming live view
	Audio	Two-way
	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP
	Remote users	Up to 8 users simultaneously
	Bandwidth	TCP/IP type dynamic sliding window control
	Remote stations	PC, mobile phone, PDA, and/or tablet PC With free iPhone/iPad/Android software app.
Control / POS / GPS	Remote Controller	1 remote controller Optional extension cable
	RS-232	1 D-type female connector for PTZ, keyboard, POS, or GPS
	RS-485	2-pin for keyboard/PTZ control
Setup	Local	On screen setup via keypad, remote controller, mouse, and/or RS-485 keyboard
	Remote	Setup & upload via Windows application software
	Multi-lingual	Yes
Reliability	System recovery	Auto power on after power loss recovery
	Watch Dog Timer	Yes
	Timer	Built-in real time clock
	Security	Multi-level password (4 levels, up to 18 accounts)
Weights & Measures	Dimension	430(W) x 350(D) x 66(H)mm
	Weight	4.0 KG (without HDD)
Power	Source	+12VDC
	Consumption	120W Max. (with 5 HDDs)
Operating Temperature		0°C ~ +40°C