

16CH Digital Video/Audio  
Real-Time Recorder  
960H support

**Model: IDVR-2516T**



**Features**

- 16-CH H.264 DVR with sixfold operation – record, live, playback, backup, control, & remote access
- **H.264** video compression/decompression with configurable quality
- Record capabilities – Full-D1: up to 240/200IPS, Half-D1/CIF: up to 480/400IPS, **960H: 180/150FPS**
- Playback capabilities – Full-D1: up to 240/200IPS, Half-D1/CIF: up to 480/400IPS, **960H: 180/150FPS**
- Realtime live display, 30 (NTSC) / 25 (PAL) IPS, for each channel
- Two-way audio
- **Smart search & playback**
- Audio in \* 8 / audio out \* 2
- **HDMI \* 1, VGA \* 1, Main monitor \* 1**
- Up to 3 SATA HDDs, or 2 SATA HDDs and 1 DVD
- Alarm in \* 16 / alarm out \* 2
- **Support push alarm notification to mobile phones**
- Ethernet \* 1 for remote access, including web access, e-mail alarm notification, FTP video/audio file storage, and software upgrade
- **Free DDNS server**
- **Support remote PC with Windows 7, Vista, XP, and 2000**
- **1 I.E./Firefox software for unlimited number of 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

## Real-Time recorder

### Specifications

System	O.S.	Embedded Linux 3.0
	Multiplex	Sixfold operation - simultaneous record, live, playback, backup, control, & remote access
	Certification	FCC, CE, etc.
Video	Format	NTSC/EIA or PAL/CCIR
	Input	16-CH, BNC, 1Vp-p/75ohm
	Main monitor	HDMI, with resolution 1920x1080, VGA, with resolution 1920x1080, BNC, 1Vp-p/75ohm
	Call monitor	BNC x 1, 1Vp-p/75ohm
	Loss detection	Yes
	Motion detection	Yes, with configurable detection area & sensitivity
	<b>Privacy mask</b>	<b>Yes</b>
Audio	Input	8 RCA-jack connectors, line-in level (100mV-2Vrms)
	Output	2 RCA-jack connectors, line-out level (up to 2Vrms)
Record	Compression	<b>Video: H.264 Main Profile</b> Audio: ADPCM
	Frame rate (IPS) & Resolution	<b>NTSC – 180@960H, 240@720*480, 480@720*240, 360*240</b> <b>PAL – 150@960H, 200@720*576, 480@720*288, 360*288</b>
	Watermark	Yes
	Mode	Manual/Schedule/Alarm/Motion
	Pre-record time	0 - 10 seconds
	Post-record time	0 - 60 minutes
Display	Resolution	VGA – 1920*1080, 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	Frame rate (IPS) & Resolution	<b>NTSC – 180@960H, 240@720*480, 480@720*240, 360*240</b> <b>PAL – 150@960H, 200@720*576, 480@720*288, 360*288</b>
	Search	<b>Smart search</b> , Date/time, Camera, Alarm, & Motion
	Operation	Play, Fast Forward, Backward, Pause, Stop, Snapshot, etc. Remote I.E. and HEM can also Print, Snapshot
Storage	HDD	2 sets of 3.5" SATA HDDs, > 3TB for each HDD Optional 1 set of 3.5" SATA HDD Failure detection & privacy law supported
	HDD Extension	1 eSATA connector for up to 5 HDDs
	Partitions	Configurable alarm partition size

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		Configurable auto-overwrite or not
	Backup	1 USB 2.0 port for USB 2.0 disk drives, DVD+RW, <b>DVD+R, DVD-R</b> , card readers, HDD, etc. <b>Internal DVD models: DVD+RW, DVD+R, DVD-R</b> Self playback for backup files
Alarm	Input	16 contact or TTL/CMOS signal, polarity selectable
	Output	2 Normally Open/Closed relay outputs
	Buzzer	Yes
	Triggered by	Sensor input, Video loss, & Motion
	Event log	Yes
Network	Ethernet	1 RJ-45 1G/100M/10Mbps Ethernet connector
	Web	Remote setup, monitoring, backup, alarm notification, & <b>remote software upgrade</b> <b>Support Windows 7, Windows Vista, Windows XP, and Windows 2000</b> <b>1 I.E./Firefox for multiple DVRs</b> <b>Configurable HTTP/SMTP/FTP/Control/Data port</b>
	DDNS	<b>Free DDNS server</b>
	E-mail/Push alarm	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 <b>N-Streaming live view</b>
	Audio	Bidirectional
	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	<b>PC, mobile phone, PDA, and/or tablet PC</b> <b>With free iPhone/iPad/Android software app.</b>
<b>Control / POS / GPS</b>	Remote Controller	1 remote controller Optional extension cable
	RS-232	1 D-type female connector for PTZ, 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) protection with authentication key for remote access

## *Real-Time recorder*

Weights & Measures	Dimension	430(W) x 330(D) x 66(H)mm
	Weight	4.0 KG (without HDD)
Power	Source	+12VDC
	Consumption	<b>70W Max. (with 3 HDDs)</b>
Operating Temperature		0°C ~ +40°C