

### Full Motion DVR, 8/16 Channels H.264 at CIF



#### ORDERING INFORMATION

<b>V3009W Digital Video Recorders + DVD, SATA, 1 CIF, Video Input Looping, Includes Remote Client Software</b>			
<b>8 - Channel</b>			
V3009W-8L-320	320 GB	V3009W-8L-1000	1000 GB
V3009W-8L-500	500 GB	V3009W-8L-2000	2000 GB
V3009W-8L-750	750 GB	V3009W-8L-3000	3000 GB
<b>16 - Channel</b>			
V3009W-16L-320	320 GB	V3009W-16L-1000	1000 GB
V3009W-16L-500	500 GB	V3009W-16L-2000	2000 GB
V3009W-16L-750	750 GB	V3009W-16L-3000	3000 GB
<b>V3009A Digital Video Recorders No DVD, SATA, 1 CIF, Video Input Looping, Includes Remote Client Software</b>			
<b>8 - Channel</b>			
V3009A-8L-320	320 GB	V3009A-8L-1500	1500 GB
V3009A-8L-500	500 GB	V3009A-8L-2000	2000 GB
V3009A-8L-750	750 GB	V3009A-8L-3000	3000 GB
V3009A-8L-1000	1000 GB	V3009A-8L-4000	4000 GB
<b>16 - Channel</b>			
V3009A-16L-320	320 GB	V3009A-16L-1500	1500 GB
V3009A-16L-500	500 GB	V3009A-16L-2000	2000 GB
V3009A-16L-750	750 GB	V3009A-16L-3000	3000 GB
V3009A-16L-1000	1000 GB	V3009A-16L-4000	4000 GB
<b>V3009W Diskless DVR - With DVD Writer, SATA, 1 CIF, No Hard Disks Included</b>			
<b>Note: Accepts up to 3 SATA 3.5" Drives</b>			
V3009W-8L	8 Ch. (Looping Inputs)		
V3009W-16L	16 Ch. (Looping Inputs)		
<b>V3009A Diskless DVR - No DVD, SATA, 1 CIF, No Hard Disks Included</b>			
<b>Note: Accepts up to 4 SATA 3.5" Drives</b>			
V3009A-8L	8 Ch. (Looping Inputs)		
V3009A-16L	16 Ch. (Looping Inputs)		

#### HARD DRIVE ORDERING INFORMATION

V3091-320S	SATA HD, 320GB
V3091-500S	SATA HD, 500GB
V3091-750S	SATA HD, 750GB
V3091-1000S	SATA HD, 1000GB

#### DESCRIPTION

Infinova's V3009 series embedded digital video recorder utilizes the VxWorks operating system and DSP processor. It functions as both a Digital Video Recorder (DVR) and a Digital Video Server. The V3009 series DVR employs H.264 compression technology, supporting 8 or 16 videos in, 1 BNC connector for main output, 1 BNC connector for spot output, and 1 VGA video output, along with 8 or 16 videos output looping. It supports SATA hard disk and a USB port for flash disk, USB hard disk and USB writer. This series DVR features real-time compression of video and audio signals, compression code stream recording, video/audio signals switching, local recorded file playback, network transmission and alarm in/out, making it a highly cost effective digital security product.

The V3009 embedded DVR can work independently in a local site, or form a powerful security surveillance network. After logging in, a user will be able to view and control live or recorder images via the network with remote capabilities limited by user access levels. The V3009 series can be applied in a Bank, Telecom, Power Station, Judicial Administration, Traffic, Residential Community, Factory, Warehouse, Water Conservancy Facility and in other environments.

#### FEATURES

- H.264 video and OggVorbis audio compression technology
- NTSC/PAL supported
- 1 BNC primary output
- 1 BNC matrix output
- 1 VGA output
- Up to 16 video looping outputs
- 4 audio inputs (only for 16-channel models)
- 1 audio output (only for 16-channel models)
- 16 alarm inputs
- 4 alarm outputs
- Supports video stream and composite stream (For only 1 to 4 channels)
- 4 SATA interfaces
- Supports 4 SATA hard disks
- Support a variety of recording modes: timing record, motion detect record, alarm input record, motion and alarm record as well as manual record
- Playback functionality
- Privacy masks and multi-area motion detection
- Supports forward, backward, and frame play mode
- Search recorded files according to record type and time
- TCP, UTP, RTP, DHCP and other network protocols.
- Supports broad band dialing network access and narrow band transmission
- Provides pan/tilt or dome control by local site or network
- Failure response mechanical to deal with hard disk error, hard disk full, inconsistent format, illegal access, network failure alarm, etc
- Upgrades firmware via network and USB port
- Client software allows user to check device operating status, configure system parameter, connected PTZ control, search recorded files remotely, playback, download, etc

### SPECIFICATIONS

#### Video

Video Encoding:	H.264
Video Input:	8/16 channels BNC (1.0 Vp-p, 75 Ohm)
Video Output:	1 channel BNC (1.0 Vp-p, 75 Ohm) 1 channel VGA (Resolution: 800 X 600 / 60Hz, 800 X 600 / 75Hz, 1024 x 768 / 60 Hz)
Video Spot Output:	1 channel BNC (1.0 Vp-p, 75 Ohm)
Supported Formats:	PAL, NTSC
Preview Resolution:	CIF (352 x 288). QCIF (176 x144) (PAL) CIF (352 x 240). QCIF (176 x 120) (NTSC)
Frame Rate:	PAL: 1/16~25 fps, NTSC: 1/16~30 fps
Video Encoding Bit Rate:	32 kbps ~ 2 Mbps, adjustable

#### Audio

(Only for 16-channel models)

Audio Encoding:	OggVorbis
Audio Input:	4 channels
Audio Output:	1 channel RCG (Linear level. Resistance: 600 Ohm)
Encoding Output Bit Rate:	16 kbps

#### Interfaces

Communication Port:	1 channel RS-232. 1channel RS485
Network Port:	1 10M/100M self-adaptive Ethernet port. RJ-45
Alarm:	16 alarm inputs, 4 outputs

#### Network

Protocol:	IP, TCP, UDP, RTP, DHCP, PPPoE, PPP
-----------	-------------------------------------

#### Storage

Internal Storage:	4 SATA hard disks maximum,
Hard Disk Port:	4 SATA ports
Backup:	External USB
Recording Modes:	7 (Manually, Scheduled, Alarm, Motion detection, Motion detection & Alarm, Motion detection / Alarm, command trigger)

#### Operation

Operating System:	Embedded VxWorks
Users:	Two management levels of user
Operation:	Front panel and mouse, remote controller

#### Electrical

Input Voltage:	AC100-240V 50/60Hz
Power Consumption:	40W (not including HD)
Power Off Protection:	Power on self-recovery

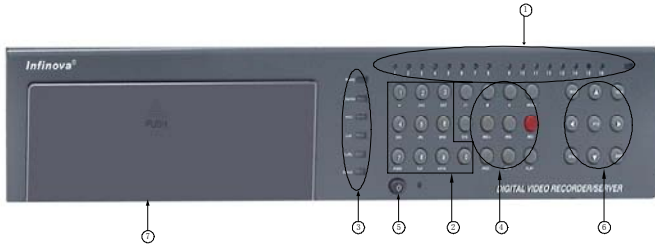
#### Mechanical

Net Dimension (H x W x D):	3.50" x 17.32" x 17.72" (89 mm x 440 mm x 450 mm)
Maximum Installation Dimension (H x W x D):	3.70" x 17.56" x 18.11" (94 mm x 446 mm x 460 mm) 19-inch (2U) EIA rack mounting
Weight:	18.72 lbs. (8.5 kg) not including HD

#### Environmental

Operating Temperature:	14° F~ 122° F (-10° C~50° C)
Humidity:	10~ 90% RH (non-condensing)

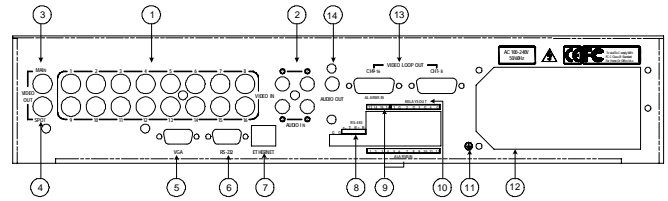
### FRONT PANEL VIEW



1. Channel Indicator Light
2. Numeric Keyboard Buttons
3. System Indicator Light
4. System Control Buttons
5. On/Off Power Button
6. PTZ Control / Menu Control Buttons
7. Internal DVR Writer (available for V3009W)

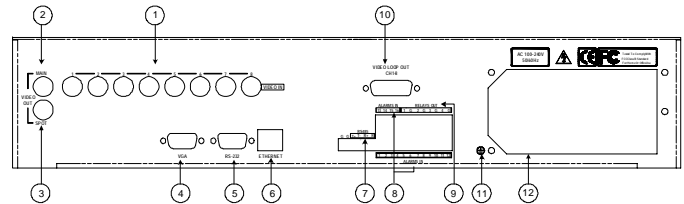
### REAR PANEL

For 16-channel models



- |                       |                                |
|-----------------------|--------------------------------|
| 1. Video Inputs (16)  | 8. RS-485 Port                 |
| 2. Audio Inputs (4)   | 9. Alarm Inputs (16)           |
| 3. Video Main Output  | 10. Alarm Outputs (4)          |
| 4. Video Spot Output  | 11. Chassis Ground (GND)       |
| 5. VGA                | 12. Power Supply and Fan       |
| 6. RS-232 Serial Port | 13. Video Looping Outputs (16) |
| 7. Ethernet Port      | 14. Audio Output               |

For 8-channel models



- |                       |                               |
|-----------------------|-------------------------------|
| 1. Video Inputs (8)   | 7. RS-485 Port                |
| 2. Video Main Output  | 8. Alarm Inputs (16)          |
| 3. Video Spot Output  | 9. Alarm Outputs (4)          |
| 4. VGA                | 10. Video Looping Outputs (8) |
| 5. RS-232 Serial Port | 11. Chassis Ground (GND)      |
| 6. Ethernet Port      | 12. Power Supply and Fan      |

### TYPICAL SYSTEM CONNECTIONS

