

# V3061 Series

## Embedded Network Digital Video Recorder

**Infinova**<sup>®</sup>  
The Integrator's Manufacturer

### Features

- H.264 video compression and G.711A audio compression
- Up to 16 channels analog video inputs, PAL/NTSC supported
- Dual-stream encoding, main stream supports up to 4CIF(D1), minor stream supports CIF/QCIF
- Three separate local outputs: VGA, main and auxiliary video outputs, audio output
- Motion detection, video mask detection, video loss detection, and video input abnormality detection
- Multiple recording types: manual, scheduled, alarm, motion detection, motion or alarm, motion and alarm
- Various alarm inputs such as hard disk full, illegal access, network break, IP conflict, hard disk error, video exception, and video output standard mismatch
- Easy adjustment of resolution, code flow, frame rate and image quality
- Support intercom
- Support watermark technology



### Description

Infinova's V3061 series network digital video recorder is a new generation DVR which integrates multiple technologies such as embedded system, storage and network technologies.

Infinova's V3061 series network DVR supports a maximum of 16 channels local video input with video looping and 16 channels audio input. Each analog channel supports H.264 dual-stream compression with up to 4CIF (D1) resolution for the major stream. The recorder supports USB2.0 high-speed backup as well as simple mouse and keyboard operation. It also supports composite streams and video stream encoding. Audio and video are synchronized in composite stream encoding.

The V3061 series DVR can not only work independently at a local site, but also build a powerful security surveillance network. This series has been widely used in finance, public security, military, telecom, traffic, power station, education and water projects.

## Ordering Information

### V3061W Digital Video Recorders + DVD, SATA, 4CIF(D1), Video & Audio Inputs, Video Looping Outputs, Includes Remote Client Software

8 - Channel			
V3061W-08-1000	1 TB	V3061W-08-5000	5 TB
V3061W-08-2000	2 TB	V3061W-08-6000	6 TB
V3061W-08-3000	3 TB	V3061W-08-7000	7 TB
V3061W-08-4000	4 TB	V3061W-08-8000	8 TB

16 - Channel			
V3061W-16-1000	1 TB	V3061W-16-5000	5 TB
V3061W-16-2000	2 TB	V3061W-16-6000	6 TB
V3061W-16-3000	3 TB	V3061W-16-7000	7 TB
V3061W-16-4000	4 TB	V3061W-16-8000	8 TB

### V3061A Digital Video Recorders No DVD, SATA, 4CIF(D1), Video & Audio Inputs, Video Looping Outputs, Includes Remote Client Software

8 - Channel			
V3061A-08-1000	1 TB	V3061A-08-9000	9 TB
V3061A-08-2000	2 TB	V3061A-08-10000	10 TB
V3061A-08-3000	3 TB	V3061A-08-11000	11 TB
V3061A-08-4000	4 TB	V3061A-08-12000	12 TB
V3061A-08-5000	5 TB	V3061A-08-13000	13 TB
V3061A-08-6000	6 TB	V3061A-08-14000	14 TB
V3061A-08-7000	7 TB	V3061A-08-15000	15 TB
V3061A-08-8000	8 TB	V3061A-08-16000	16 TB

16 - Channel			
V3061A-16-1000	1 TB	V3061A-16-9000	9 TB
V3061A-16-2000	2 TB	V3061A-16-10000	10 TB
V3061A-16-3000	3 TB	V3061A-16-11000	11 TB
V3061A-16-4000	4 TB	V3061A-16-12000	12 TB
V3061A-16-5000	5 TB	V3061A-16-13000	13 TB
V3061A-16-6000	6 TB	V3061A-16-14000	14 TB
V3061A-16-7000	7 TB	V3061A-16-15000	15 TB
V3061A-16-8000	8 TB	V3061A-16-16000	16 TB

### V3061W Diskless DVR - With DVD Writer, SATA, 4CIF(D1), No Hard Disks Included

Note: Accepts up to 4 SATA 3.5" Drives	
V3061W-08	8 Ch. (8V + 8A, Video Looping Outputs)
V3061W-16	16 Ch. (16V + 16A, Video Looping Outputs)

### V3061A Diskless DVR - No DVD, SATA, 4CIF(D1), No Hard Disks Included

Note: Accepts up to 8 SATA 3.5" Drives	
V3061A-08	8 Ch. (8V + 8A, Video Looping Outputs)
V3061A-16	16 Ch. (16V + 16A, Video Looping Outputs)

## Hard Disks Ordering Information

V3091-1000S	SATA HD, 1TB
V3091-2000S	SATA HD, 2TB

## Internal DVD Drives Ordering Information

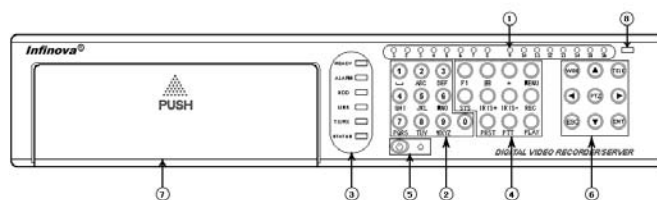
V3094S	DVD Writer, Internal SATA Interface
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## RECOMMENDED ACCESSORIES

V2111	Keyboard, Dome & DVR Controller, Joystick, RS485 port, 120 VAC
V2111X	Keyboard, Dome & DVR Controller, Joystick, RS485 port, 230 VAC

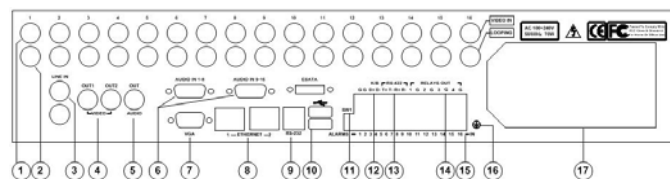
## Panel View

### Front Panel View



1. Channel Indicator
2. Numeric Keyboard Buttons and Assistant Buttons
3. System Indicator
4. System Control Buttons
5. Power On/Off Button
6. PTZ Control/Menu Control Buttons
7. Internal DVR Writer (invalid for V3061A)
8. Infrared receiver

### Rear Panel View



(E.g. 16-channel)

1. Video Input Ports
2. Video Looping Output Ports
3. Audio Line In Port
4. Video Output
5. Audio Output
6. Audio Input
7. VGA Video Output Port
8. Ethernet Port
9. RS-232 Port
10. USB Port
11. RS422 Resistor Switch
12. Keyboard Port
13. RS-422 Port
14. Alarm Output
15. Alarm Input
16. Grounding Terminal
17. Power Supply and Cooling Fan

## Specifications

<b>Video</b>	Video Compression	H.264
	Video Input	8/16-ch BNC (1.0 Vp-p, 75 Ohm)
	Video Output	2-ch BNC (1.0 Vp-p, 75 Ohm); 1-ch VGA
	Video Looping Output	8/16-ch BNC (1.0 Vp-p, 75 Ohm)
	Format Supported	PAL, NTSC
	Recording Resolution	PAL: 4CIF (704 × 576), 2CIF (704 × 288), CIF (352 × 288), QCIF (176 × 144); NTSC: 4CIF(704 × 480), 2CIF (704 × 240), CIF (352 × 240), QCIF (176 × 120)
	Frame Rate	PAL: 1~25 fps; NTSC: 1~30 fps
	Video Output Bit Rate	256 kbps-2.5Mbps, adjustable
<b>Audio</b>	Audio Encoding	G.711A
	Audio Input	8/16-ch, DB15 port
	Audio Output	1-ch BNC (1.4Vp-p, 300 Ω )
	Intercom Input	1-ch BNC (1.0Vp-p, 75 Ω )
	Audio Output Bit Rate	16kbps
<b>Port</b>	Communication Port	1-ch RS-232 (RJ45); 1-ch RS-422 (4-pin terminal)
	Network Port	2-ch, 10M/100M/1000M self-adaptive Ethernet ports, RJ-45
	Alarm	16 inputs, 4 outputs (5VDC)
	USB	2, on rear panel; 1, on front panel
<b>Storage</b>	Hard Disk Port	V3061A: 8 SATA hard disks; V3061W: 4 SATA hard disks
	Backup	External USB; Built-in SATA DVD writer (V3061W)
<b>Recording</b>	Recording Mode	3 modes: manual, scheduled and alarm (including motion detection)
<b>Network</b>	Protocol	TCP/IP, RTP, UDP, ICMP, DHCP, DNS, NTP, SNMP, etc.
	Others	Support narrow band connection; upload alarm signals through network
<b>Operation</b>	Operating System	Embedded Linux system
	Users	Two-level users management; three-level priority settings
	Operation Methods	Front panel, remote controller, mouse and V2111/V2117 keyboard
<b>Electrical</b>	Power Supply	100~240VAC, self-adaptive
	Power Consumption	<45W (no HD); <85W (with 8 HDs)
	Power Off Protection	Power on self-recovery
<b>Mechanical</b>	Product Weight (no HD)	V3061A: 12.57lbs (5.7kg); V3061W: 14.33lbs (6.5kg)
	Shipping Weight (no HD)	V3061A: 18.30lbs (8.3kg); V3061W: 20.50lbs (9.3kg)
	Product Dimensions (H x W x D)	3.50" × 17.32" × 17.72" (89mm × 440mm × 450mm)
	Maximum Installation Dimensions (H x W x D)	3.70" × 17.56" × 18.11" (94mm × 446mm × 460 mm) (Including the washer height, housing ear thickness and rear panel BNC terminal length), 19-inch (2U) EIA rack mounting
<b>Environmental</b>	Operating Temperature	14°F~122°F (-10°C~50°C)
	Storage Temperature	-4°F~158°F (-20°C~70°C)
	Humidity	5%~90% RH (non-condensing)
<b>Certifications</b>	CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, (Certificate No: BCT10KC-1869E);	
	CE-LVD: EN 60950-1:2006 (Certificate NO: BCT10KC-1869S)	
	FCC: Part15 Subpart B, (Certificate No: BCT10KC-1870E);	
	ISO 9001:2008	

# System Application

