# V3060 Series

## Embedded Network Digital Video Recorder

**Infinova**
**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, partial channels support up to 4CIF at major stream, and CIF/QCIF at minor stream
- 1 VGA video output, 2 BNC video outputs (including 1 BNC auxiliary output)
- Support preview group/manual switching
- Motion detection, video mask detection, video loss detection, and video input abnormity detection
- Support various leading PTZ decoder control protocols, presets, and patterns
- 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 V3060 series network digital video recorder is a new generation DVR which integrates multiple technologies such as embedded system, storage and network technologies.

Infinova's V3060 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 and the partial channels support up to 4CIF at 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 V3060 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

| V3060W Digital Video Recorders + DVD, SATA, 4CIF(D1), Video & Audio Inputs, Video Looping Outputs, Includes Remote Client Software | | | |
|---|---|---|---|
| **8 - Channel** | | | |
| V3060W-08-1000 | 1 TB | V3060W-08-5000 | 5 TB |
| V3060W-08-2000 | 2 TB | V3060W-08-6000 | 6 TB |
| V3060W-08-3000 | 3 TB | V3060W-08-7000 | 7 TB |
| V3060W-08-4000 | 4 TB | V3060W-08-8000 | 8 TB |
| **16 - Channel** | | | |
| V3060W-16-1000 | 1 TB | V3060W-16-5000 | 5 TB |
| V3060W-16-2000 | 2 TB | V3060W-16-6000 | 6 TB |
| V3060W-16-3000 | 3 TB | V3060W-16-7000 | 7 TB |
| V3060W-16-4000 | 4 TB | V3060W-16-8000 | 8 TB |

| V3060A Digital Video Recorders No DVD, SATA, 4CIF(D1), Video & Audio Inputs, Video Looping Outputs, Includes Remote Client Software | | | |
|---|---|---|---|
| **8 - Channel** | | | |
| V3060A-08-1000 | 1 TB | V3060A-08-9000 | 9 TB |
| V3060A-08-2000 | 2 TB | V3060A-08-10000 | 10 TB |
| V3060A-08-3000 | 3 TB | V3060A-08-11000 | 11 TB |
| V3060A-08-4000 | 4 TB | V3060A-08-12000 | 12 TB |
| V3060A-08-5000 | 5 TB | V3060A-08-13000 | 13 TB |
| V3060A-08-6000 | 6 TB | V3060A-08-14000 | 14 TB |
| V3060A-08-7000 | 7 TB | V3060A-08-15000 | 15 TB |
| V3060A-08-8000 | 8 TB | V3060A-08-16000 | 16 TB |
| **16 - Channel** | | | |
| V3060A-16-1000 | 1 TB | V3060A-16-9000 | 9 TB |
| V3060A-16-2000 | 2 TB | V3060A-16-10000 | 10 TB |
| V3060A-16-3000 | 3 TB | V3060A-16-11000 | 11 TB |
| V3060A-16-4000 | 4 TB | V3060A-16-12000 | 12 TB |
| V3060A-16-5000 | 5 TB | V3060A-16-13000 | 13 TB |
| V3060A-16-6000 | 6 TB | V3060A-16-14000 | 14 TB |
| V3060A-16-7000 | 7 TB | V3060A-16-15000 | 15 TB |
| V3060A-16-8000 | 8 TB | V3060A-16-16000 | 16 TB |

| V3060W Diskless DVR - With DVD Writer, SATA, 4CIF(D1), No Hard Disks Included | |
|---|---|
| Note: Accepts up to 4 SATA 3.5" Drives | |
| V3060W-08 | 8 Ch. (8V + 8A, Video Looping Outputs) |
| V3060W-16 | 16 Ch. (16V + 16A, Video Looping Outputs) |

| V3060A Diskless DVR – No DVD, SATA, 4CIF(D1), No Hard Disks Included | |
|---|---|
| Note: Accepts up to 8 SATA 3.5" Drives | |
| V3060A-08 | 8 Ch. (8V + 8A, Video Looping Outputs) |
| V3060A-16 | 16 Ch. (16V + 16A, Video Looping Outputs) |

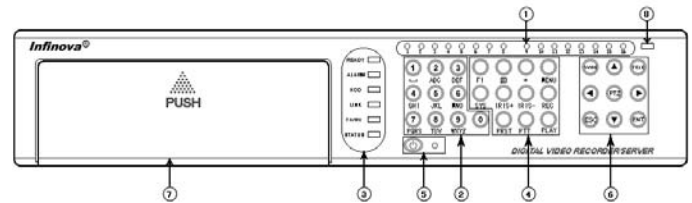### Hard Disks Ordering Information

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

### Internal DVD Drives Ordering Information

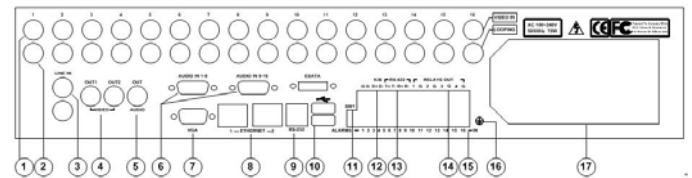| V3094S | DVD Writer, Internal SATA Interface |
|---|---|

## 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 V3060A)
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

| | | |
|---|---|---|
| **Video** | 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) Notes: All channels support the maximum resolution of 4CIF, but only 2 channels can be set at 4CIF synchronously |
| | Frame Rate | PAL: 1~25 fps; NTSC: 1~30 fps |
| | Video Output Bit Rate | 256 kbps-2.5Mbps, adjustable |
| **Audio** | Audio Compression | G.711A |
| | Audio Input | 8/16-ch, DB15 port |
| | Audio Output | 1-ch BNC (1.4V p-p, 300 Ω ) |
| | Intercom Input | 1-ch BNC (1.0Vp-p, 75 Ω ) |
| | Audio Output Bit Rate | 16kbps |
| **Port** | Communication Port | 1-ch RS-232 (RJ45); 1-ch RS-422 (4pin terminal) |
| | Network Port | 2*10M/100M/1000M self-adaptive Ethernet ports, RJ-45 |
| | Alarm | 16 inputs, 4 outputs (5VDC) |
| | USB | 2, on rear panel; 1, on front panel |
| **Storage** | Hard Disk | V3060A: 8 SATA hard disks; V3060W: 4 SATA hard disks |
| | Backup | External USB; Internal SATA DVD writer (V3060W) |
| **Recording** | Recording Mode | 3 modes: manual, scheduled and alarm (including motion detection) |
| **Network** | Protocol | TCP/IP, RTP, UDP, ICMP, DHCP, DNS, NTP, SNMP, etc. |
| | Others | Support narrow band connection; upload alarm signals through network |
| **Operation** | 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 |
| **Electrical** | Power Supply | 100~240VAC, self-adaptive |
| | Power Consumption | < 45W (no HD); < 85W (with 8 HDs) |
| | Power Off Protection | Power on self-recovery |
| **Mechanical** | Product Weight (no HD) | V3060A: 12.57lbs (5.7kg); V3060W: 14.33lbs (6.5kg) |
| | Shipping Weight (no HD) | V3060A: 18.30lbs (8.3kg); V3060W: 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 |
| **Environmental** | 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) |
| **Certifications** | | CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, (Certificate No: BCT10KC-1869E); FCC: Part15 Subpart B, (Certificate No: BCT10KC-1870E);ISO 9001:2008 |