The HRG series digital video recorder (DVR) offers clear crisp video using H.264 video compression and supports a high-end feature set that exceeds the needs of many surveillance applications at a very economical price!

Recording at a rate of up to 480 (16ch), 240 (8ch), or 120 (4ch) images per second 4CIF real-time NTSC video, the HRG DVR supports a wide variety of capabilities such as smartphone remote access (apps for Apple iPhone® and Android), mouse control, IR remote control, and multiple search engines to quickly find the evidence video. In addition to remote access from iPhone and Android devices, HRG can be remotely accessed via a Web browser or by using multi-site remote access software.

Two USB ports enable intuitive mouse control and simultaneous DVR operations such as backing up video evidence files onto USB media. A viewer is included with each clip, making it easy for investigators to view video evidence. HRG supports continuous and event recording and is configurable per channel. HRG can also be configured to record upon detection of motion within a user-specified area. Recording upon detection of motion can be used to maximize storage efficiency.

**Market Opportunities**

Supporting an advanced feature set and low pricing, HRG is an ideal DVR for a wide variety of surveillance applications including small- to medium-sized retail outlets, apartment buildings, warehouses, and educational facilities. HRG is well suited to support applications that rely on capturing maximum detail of activity through building entrances and exits, and clear video playback.

Remote access from mobile and fixed locations opens up many new application possibilities for HRG. Business owners on the move in this highly mobile society can check in on their businesses from virtually any location with Internet access.

**Features**

- H.264 video compression
- 4CIF resolution @ real-time record rates
- 4, 8, or 16 video inputs
- 4 audio inputs, 1 audio output
- Remote access from iPhone® and Android devices
- Remote access via Internet Explorer web browser and multi-site software.
- Continuous recording during playback and during transmission to remote site
- Infrared Remote Control included
- Mouse included for DVR control via front panel
- 2 (front & rear panel) USB 2.0 ports
- PTZ dome control for a wide variety of protocols
- Self-diagnostics including hard disk drive S.M.A.R.T. monitoring
HRG Performance Series DVR

System Diagram

- IR Remote Control
- Alarm Sensor
- Alarm Out
- Alarm Input/Output
- Cameras
- Video In
- Video Out
- Main Monitor (VGA)
- Spot Monitor (BNC)
- HRG4 DVR
- Web Browser
- Multi-Site Software
- Internet
- USB Mouse Support
- Microphone
- USB
- For backing up video clips

4-Channel DVR
- Rear View
- Side View
- Dimensions: 12.4” (315 mm)
- Dimensions: 9.1” (230 mm)

8/16-Channel DVR
- Rear View
- Side View
- Dimensions: 17.5” (445 mm)
- Dimensions: 11.4” (290 mm)
### Remote Access

- **Sessions Maximum per HRG recorder**: 24 simultaneous connections: live view, search, playback
- **Administration: DVR configuration**: One at a time
- **PTZ control**: One at a time controlling PTZ
- **Compatibility**: Windows XP, Windows 7, Mobile apps: Apple iPhone®, Android

### Recorder Unit

- **Video Standard**: NTSC or PAL software selectable
- **Color Control**: Brightness, contrast, saturation, and hue
- **Recording and Transmission Compression Algorithm**: H.264
- **Record Mode**: (FIFO) Continuous buffer
- **Recording Capacity**: Hard drive capacities up to 1TB, see ordering section for details
- **Recording Rate @ 4CIF (Global)**: Up to 480 ips (NTSC), model dependent
- **Video Resolution Settings**: Main stream: 4CIF/2CIF/CIF, Sub stream: CIF/QCIF
- **Video Motion Detection**: Configurable zone detection area and sensitivity
- **Event Recording and Reporting**: Input via alarm i/p contacts, and motion. Reporting via alarm o/p contact, Email notification
- **Removable Media**: 2 - USB ports
- **Still Image**: JPEG file using Remote Access
- **Front Panel Control**: Intuitive operation supports IR Remote Control and mouse
- **DHCP Enabled**: DHCP or Static IP entry
- **Port number set-up**: Individual entries for Server, HTTP, SMTP
- **PTZ Protocols Support**: Supports multiple PTZ protocols
- **Language Support**: English

### Connections

- **Video Input**: 4/8/16, BNC 1 Vp-p @ 75 ohms
- **Video Output**: Input: 4 channel, line level Output: 1 channel, line level
- **Audio Input/Output**: 1 - Composite main monitor, BNC 1 Vp-p @ 75 ohms 1 - VGA Main Monitor 1 - Spot BNC 1 Vp-p @ 75 ohms
- **Sensor Inputs General Purpose**: 4 inputs (4ch) – terminal block 8 inputs (8ch) – terminal block 16 inputs (16ch) – terminal block
- **Control Outputs**: 1 – relay out (4ch); NC/NO terminal block 4 – relay out (8 & 16ch); NC/NO terminal block
- **Serial Ports**: 2 – USB (2.0) ports: one via front panel and another via rear panel 1 – RS485 terminal block 1 – RS232
- **Primary Storage**: SATA HDD
- **Networking**: RJ45 10M/100M self-adaptive Ethernet interface

### Electrical

- **Input Voltage**: 12 VDC power adapter
- **Power Consumption**: HRG34 and HRG8 25 W (max) HRG16 30 W (max)

### Mechanical

- **Dimensions (W x D x H)**: 4ch unit: 12.4 × 9.1 × 1.8 in. (315 × 230 × 45 mm) 8/16ch unit: 17.5 × 11.4 × 1.8 in. (445 × 290 × 45 mm)
- **Weight**: HRG34 HRG8 and HRG16 ≤ 5.7 lbs (≤ 2.6 kg) ≤ 10.1 lbs (≤ 4.6 kg)

### Environmental

- **Temperature**: Operating: 32°F to 104°F (-10°C to 55°C) Storage: -22°F to 176°F (-30°C to 80°C)
- **Relative Humidity**: 10% to 90%, non-condensing

### Regulatory

- **Emissions**: FCC Part 15B, Class A
- **Safety**: CSA/UL 60950-1, 2nd Edition

**NOTE:** Honeywell reserves the right, without notification, to make changes in product design or specifications.
### ORDERING

#### Recommended Accessories

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<td>HD73P</td>
<td>Minidome, super high resolution, True Day/Night</td>
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<td>HD70P</td>
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<td>HDSP1</td>
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<td>HRG161</td>
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