

# Digital Video Recorders

Honeywell's DVRs are high-quality and high performing with features designed for easy installation and operation, superior image quality, and maximum storage. The Rapid Eye™ Multi-Media Series and Fusion DVR Series are PC-based platforms that integrate seamlessly with Honeywell's Access Control Systems, Integrated Data Manager and industry-leading alarm central station video verification applications. And our embedded DVRs are feature-rich, providing increased storage capacity, paramount picture quality and enhanced search capabilities. With a Honeywell DVR, you're getting digital video recording at its best.

## THIS SECTION INCLUDES:

### PC-BASED DVRS

- Rapid Eye™ Multi-Media DSP Series
- Rapid Eye™ Multi-Media Series
- Rapid Eye™ Multi-Media LT Series
- Fusion Series
- Fusion Streamer

### EMBEDDED DVRS

- HRDV and HRDVS
- HRHD Series
- HRDE 4x4
- HRTL1



# DVRs



Honeywell's comprehensive DVR offering encompasses a wide variety of products and features certain to provide the right solution for every situation. Whether your needs are PC-based or embedded, stand alone or integrated, Honeywell's DVR line up has just what you need. Choose from an assortment of DVRs, including the single channel HRHD1 or the new cost-effective HRDE 4x4, a 32-channel 480 ips Fusion or our newest addition, Rapid Eye™ Multi-Media DSP.

## Benefits:

- High performance and excellent video quality
- Innovative technology, resulting in maximum storage capacity and longer recording times
- Ability to search more quickly and effectively without losing recorded video
- Remote access through network/telephone that can be managed from headquarters or home office
- Fully-integrated with Honeywell's Point-of-Sale data analysis software and access control systems



### DVR INTEGRATION

Honeywell offers enhanced digital video recording integration through combining its video and CCTV systems with access control systems to create powerful security solutions. With Honeywell's Video Systems, you get innovative PC-based digital recording technology that seamlessly integrates with access control and software systems from Honeywell's Access Systems. This powerful combination gives you enhanced functionality and greater control over your security needs.

### DVR Integration

- Capture of live video and linking it to access control alarms and events, such as door forced open, invalid card readers, glass break, motion alarms, and others.
- Video verification for access control, which allows operators to verify a live user and match the user to an existing image stored in the access control database. The operator can then grant or deny access based on verification.
- Video pop-ups linked to alarms or events generated by an access control system. Thereafter, a video screen displays the event as it occurs – and operators can retrieve video prior to the alarm or event.
- Consistent camera control in the access control software, such as pan, tilt, and zoom are connected to the DVR directly from the access control software, which allows up to 6 cameras to be monitored simultaneously and gives the operator the ability to select specific cameras to control.
- Additional features include, live video call-up, alarm view screen, digital video screen, set camera presets, history event filters, synchronized playback of multi cameras, and more.



### DVR Integration of Access Control and Video Systems

	Single Door Application	Entry Level Commercial	Small - Medium Commercial	Large Commercial	Centrally Monitored
<b>Typical Applications</b>	<ul style="list-style-type: none"> <li>• Gates</li> <li>• Small Retail</li> </ul>	<ul style="list-style-type: none"> <li>• Small Office Buildings</li> <li>• Medical/ Professional</li> <li>• Daycare Centers</li> </ul>	<ul style="list-style-type: none"> <li>• Medium Businesses</li> <li>• Financial</li> <li>• Manufacturing</li> <li>• Light Industrial</li> </ul>	<ul style="list-style-type: none"> <li>• Medium-large Commercial</li> <li>• Universities/ Campuses</li> <li>• Government</li> </ul>	<ul style="list-style-type: none"> <li>• Small-medium Commercial</li> <li>• Remote Managed Sites</li> <li>• Web-based Management</li> </ul>
<b>Software Solution</b>	–	• NStar	• WIN-PAK	• WIN-PAK • WIN-PAK PRO	• WIN-PAK PRO • Central Station
<b>Hardware Solution</b>	• NS1 Single Door System	• NS2 Controller	• NS2+ Controller	• N-1000 Controller • PRO-2200 Controller	• NS2+, N-1000 or PRO2200 Controllers
<b>Video Solution</b>	–	• Rapid Eye™ Multi-Media LT with NSOPT1	• Rapid Eye™ Multi-Media and LT, or Fusion	• Rapid Eye™ Multi-Media or Fusion	• Rapid Eye™ Multi-Media, LT and DSP

For ordering information, visit [www.honeywellvideo.com](http://www.honeywellvideo.com) or contact Inside Sales at 1-800-796-2288.

### PC-Based Digital Video Recorders Comparison Chart

	RAPID EYE™ DSP	RAPID EYE™ V6	RAPID EYE™ LT	FUSION	FUSION STREAMER
<b>Number of Video Channels</b>	16 Looping	16 Looping	4 and 9 Looping	8, 16, 32 Looping	4 Looping
<b>Number of Audio Channels</b>	Dual Audio Channels (Bi-directional)	Dual Audio Channels (Bi-directional)	Single Audio Channel (Bi-directional)	2, 4 or 8 Synchronized	4 Synchronized
<b>Monitor Outputs</b>	Spot: 1 VGA: 2	Spot: 1 VGA: 2	Spot: 1 VGA: 1	Spot: 1-4 VGA: 1	Spot: 1
<b>IPS Live/Recorded</b>	480 (CIF) 240 (2 CIF) 120 (4 CIF)	60 or 80 (Up to 4 CIF)	20 or 40 (Up to 2 CIF)	480 (CIF) 240 (2 CIF) 120 (4 CIF)	120 (CIF)
<b>Recording Resolution</b>	704 x 480 640 x 480 640 x 240 320 x 240 160 x 120	704 x 480 640 x 480 640 x 240 320 x 240 160 x 120	640 x 240 320 x 240 160 x 120	704 x 480 640 x 240 320 x 240	704 x 480 352 x 240
<b>Compression</b>	REM Modified H261 / 263	REM Modified H261 / 263	REM Modified H261 / 263	Proprietary MPEG	MPEG-4
<b>Gigabytes (GB) or Camera Days</b>	250-2000 GB	500-6250 Camera Days	200-2000 Camera Days	120-1000 GB	0
<b>Operating System</b>	Real Time OS (VxWorks™)	Real Time OS (VxWorks™)	Real Time OS (VxWorks™)	Windows® 2000	Real Time OS (LINUX)
<b>Remote Users/Streams</b>	10 Users 16 and 32 Streams	10 Users 32 Streams	10 Users 4 - 16 and 9 - 32 Streams	5 Users from any source	5 Users from any source
<b>Alarm Inputs/Outputs</b>	16 / 8	16 / 8	4 and 9 / 4	8, 16 / 8	4 / 4

## Rapid Eye™ Multi-Media Series Comparison Chart

	RAPID EYE™ DSP	RAPID EYE™ V6	RAPID EYE™ LT
<b>Video</b>	16 Channels Looping	16 Channels Looping	4 and 9 Channels Looping
<b>Capture Rate (ips) Resolution Recording</b>	Available in 480 (CIF) 160 x 120, 324 x 240 640 x 240, 640 x 480 and 704 x 480	Available in 60 160 x 120, 320 x 192 324 x 240, 640 x 240 640 x 480 and 704 x 480	Available in 20 or 40 160 x 120, 324 x 240 and 640 x 240
<b>Live</b>	160 x 120, 324 x 240 640 x 240, 640 x 480 and 704 x 480	160 x 120, 324 x 240 640 x 240, 640 x 480 and 704 x 480	160 x 120, 324 x 240 and 640 x 240
<b>Audio</b>	2 Channels Synchronized Monitor and Record	2 Channels Synchronized Monitor and Record	1 Channel Synchronized Monitor and Record
<b>Data Capture (POS)</b>	Up to 16 Streams Synchronized with Video	Up to 4 Streams Synchronized with Video	Up to 4 Streams Synchronized with Video
<b>Gigabytes (GB) or Camera Days</b>	250, 500, 750, 1000, 1500 and 2000 GB	500, 1000, 2000, 3000 4500 and 6250 Camera Days (320 x 192)	200, 400, 800, 1250 and 2000 GB (320 x 240)
<b>Field Serviceable Hard Drive</b>	Yes, 4 Bays with Shock Mounted Drive	Yes, 4 Bays with Shock Mounted Drive	No, Single Internal Shock Mounted Drive
<b>Serial Ports</b>	10 – Total 2– RS232 DB9 8 – User-selectable 232, 422, 485 and RJ45	2 – RS232 DB9	2 – RS232 DB9
<b>Remote Users</b>	10 Each for Live and Retrieve	10 Each for Live and Retrieve	10 Each for Live and Retrieve
<b>Viewing Streams</b>	32 Each for Live and Retrieve	32 Each for Live and Retrieve	16 Each 4 Channels for Live and Retrieve 32 Each 9 Channels for Live and Retrieve
<b>Remote Access</b>	Network: STD 10/100 Base T Internal Modem Included	Network: STD 10/100 Base T Internal Modem Included	Network: STD 10/100 Base T Internal Modem Included with 20 ips Models
<b>LocalView UI or Public Display NTSC</b>	Dual VGA Output: 800 x 600 Requires Separate Converter	Dual VGA Output: 800 x 600 Requires Separate Converter	VGA Output: 800 x 600 or Built-in Composite Output

## RAPID EYE™ MULTI-MEDIA DSP SERIES

The Rapid Eye™ Multi-Media DSP Series is the newest addition to the Rapid Eye™ Series of digital video recorders and now features real-time capture rates for both live and recording modes. A 16 channel DVR, the Rapid Eye Multi-Media DSP is 100% compatible with all Rapid Eye Multi and Multi-Media units and integrates with Honeywell's Pro-Watch, WIN-PAK, and Digital Video Manager (DVM). The new Rapid Eye™ DSP system is ideal for applications where centralized video management is essential, such as banking/financial, military bases, retail chains, etc.

The Rapid Eye™ Multi-Media DSP Series offers upgraded features:

- Record, search and transmission of video, audio, and data transactions
- Remote user capabilities, such as multi-user, multi-site, and multi-connectivity; enable real-time capture and display
- Event-driven recording with 64 user definable recording rules
- Enhanced PTZ control and configuration
- Expanded POS capability and integrates with Honeywell's access control and alarm panels



### Rapid Eye™ Multi-Media DSP Series

- High resolution (Up to 4 CIF)
- 480 ips for recording
- Real time local and live video
- 16 channels of looping video inputs
- Internal storage capacity ranging from for 250 GB to 2 TB
- Optional CD-RW for clip generation and easy software upgrades
- 16 alarm inputs
- 8 control outputs
- 8 user configurable serial outputs (RS232/422/485) for POS input or PTZ control
- Fault relay: DPDT Form C relay
- Network interface: RJ45 10/100 Base T Ethernet
- Internal modem: V.90 multi-protocol
- Multi-site single workstation license of ADMIN and VIEW software included
- Built-in POS or ATM data capture capability

#### ADI Ordering Information



#### HRM16BR1C2T0

**Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips,  
CD-RW, 2.0 TB Hard Drive**



#### HRM16BR1C1T5

**Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips,  
CD-RW, 1.5 TB Hard Drive**

## HRM16BR1C1T0

Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips, CD-RW, 1.0 TB Hard Drive

### ADI Ordering Information



## HRM16BR1C750

Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips, CD-RW, 750 GB Hard Drive



## HRM16BR1C500

Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips, CD-RW, 500 GB Hard Drive



## HRM16BR1C250

Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips, CD-RW, 250 GB Hard Drive



## HRM16BR1N2T0

Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips, 2.0 TB Hard Drive



## HRM16BR1N1T5

Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips, 1.5 TB Hard Drive



## HRM16BR1N1T0

Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips, 1.0 TB Hard Drive



## HRM16BR1N750

Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips, 750 GB Hard Drive



## HRM16BR1N500

Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips, 500 GB Hard Drive



## HRM16BR1N250

Rapid Eye™ Multi-Media DSP, 16 Channel, 480 ips, 250 GB Hard Drive



### RAPID EYE™ MULTI-MEDIA SERIES

Rapid Eye™ Multi-Media Series is a 16 channel PC-based DVR that features a powerful and intelligent digital storage management tool. The PC-based platform is designed to record, search, and transmit video, audio, and data transactions – enabling users to access both live and post event data. The Rapid Eye™ system’s strength is its fully featured remote user capabilities – making it well suited for various applications (e.g. central station video verification, schools, utilities, or multi-site retail environments).

The Rapid Eye™ system has three main components:

- Recorder Unit – featuring LocalView user interface that provides on-site video, audio, and data management capabilities as well as basic system and camera configuration
- ADMIN Software – workstation/server-based administration tool capable of enterprise-wide site and user management
- VIEW Software – workstation-based operator program



### Rapid Eye™ Multi-Media Series

- 60 ips globally
- 16 channels of looping video inputs
- Internal storage capacity ranging from 500 to 6,250 camera days
- Optional CD-RW for clip generation and easy software upgrades
- 16 alarm inputs
- 8 control outputs
- 2 serial outputs
- Fault relay: DPDT Form C relay
- Network interface: RJ45 10/100 Base T Ethernet
- Internal modem: V.90 multi-protocol
- Multi-site, single workstation license of ADMIN and VIEW software included
- Built-in POS or ATM data capture capability

#### ADI Ordering Information



#### HRM60CD6250

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, CD-RW, 6250 Camera Days Storage



#### HRM60CD4500

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, CD-RW, 4500 Camera Days Storage

## HRM60CD3000

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, CD-RW, 3000 Camera Days Storage

### ADI Ordering Information



## HRM60CD2000

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, CD-RW, 2000 Camera Days Storage



## HRM60CD1000

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, CD-RW, 1000 Camera Days Storage



## HRM60CD500

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, CD-RW, 500 Camera Days Storage



## HRM60N6250

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, 6250 Camera Days Storage



## HRM60N4500

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, 4500 Camera Days Storage



## HRM60N3000

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, 3000 Camera Days Storage



## HRM60N2000

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, 2000 Camera Days Storage



## HRM60N1000

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, 1000 Camera Days Storage



## HRM60N500

Rapid Eye™ Multi-Media, 16 Channel, 60 ips, 500 Camera Days Storage



Additional models are available depending on your exact requirements. For ordering information, visit [www.honeywellvideo.com](http://www.honeywellvideo.com) or contact Inside Sales at 1-800-796-2288.

## RAPID EYE™ MULTI-MEDIA LT SERIES

Rapid Eye™ Multi-Media LT Series is the 4 and 9 channel version of the Rapid Eye™ Multi-Media DVR Series. It provides the same powerful and intelligent features of the 16 channel Multi-Media Series in a smaller and more cost-effective design. The Rapid Eye™ Multi-Media LT is targeted at small to mid-size retail locations, commercial offices or high-end residential applications.

The Rapid Eye™ Multi-Media LT system consists of three components:

- Recorder Unit – featuring LocalView user interface that provides on-site video, audio, and data management capabilities and basic system and camera configuration
- ONEADMIN Software – workstation/server based administration tool
- VIEW Software – workstation-based operator program



### Rapid Eye™ Multi-Media LT Series

- 20 or 40 ips globally
- 4 or 9 channels of looping video input
- Internal storage capacity ranging from 200 to 2,000 camera days
- Optional CD-RW for clip generation and easy software upgrades
- 4 or 9 alarm inputs
- 4 control outputs
- 2 serial outputs
- Fault relay: DPDT Form C relay
- Network interface: RJ45 10/100 Base T Ethernet
- Internal modem: V.90 multi-protocol with 20 ips models only
- Single site and single workstation license of ONEADMIN and VIEW software included
- Built-in POS or ATM data capture capability

#### ADI Ordering Information



#### HRM420CD200

**Rapid Eye™ Multi-Media LT, 4 Channel, 20 ips, CD-RW,  
200 Camera Days Storage**



#### HRM420CD400

**Rapid Eye™ Multi-Media LT, 4 Channel, 20 ips, CD-RW,  
400 Camera Days Storage**

## ADI Ordering Information

### HRM940CD2000

Rapid Eye™ Multi-Media LT, 9 Channel, 40 ips, CD-RW, 2000 Camera Days Storage



### HRM940CD800

Rapid Eye™ Multi-Media LT, 9 Channel, 40 ips, CD-RW, 800 Camera Days Storage



### HRM940CD400

Rapid Eye™ Multi-Media LT, 9 Channel, 40 ips, CD-RW, 400 Camera Days Storage



### HRM920CD2000

Rapid Eye™ Multi-Media LT, 9 Channel, 20 ips, CD-RW, 2000 Camera Days Storage



### HRM920CD800

Rapid Eye™ Multi-Media LT, 9 Channel, 20 ips, CD-RW, 800 Camera Days Storage



### HRM920CD400

Rapid Eye™ Multi-Media LT, 9 Channel, 20 ips, CD-RW, 400 Camera Days Storage



### HRM440CD2000

Rapid Eye™ Multi-Media LT, 4 Channel, 40 ips, CD-RW, 2000 Camera Days Storage



## ADI Ordering Information



**HRM440CD800**  
Rapid Eye™ Multi-Media LT, 4 Channel, 40 ips, CD-RW,  
800 Camera Days Storage



**HRM440CD400**  
Rapid Eye™ Multi-Media LT, 4 Channel, 40 ips, CD-RW,  
400 Camera Days Storage



**HRM420CD2000**  
Rapid Eye™ Multi-Media LT, 4 Channel, 20 ips, CD-RW,  
2000 Camera Days Storage

Additional models are available depending on your exact requirements. For ordering information, visit [www.honeywellvideo.com](http://www.honeywellvideo.com) or contact Inside Sales at 1-800-796-2288.

## RAPID EYE™ MULTI-MEDIA FIELD INSTALLABLE ACCESSORIES



**HRMHD1562**  
Expansion Hard Drive with 1562 Camera Days Capacity



**HRMHD1000**  
Expansion Hard Drive with 1000 Camera Days Capacity



**HRMHD500**  
Expansion Hard Drive with 500 Camera Days Capacity



**HRMCDRW**  
CD-RW Drive for Local Evidence Clip Generation

**HRMHD500P**

Programmed Replacement Hard Drive with 500 Camera Days Capacity

**ADI Ordering Information**



**HRMHD1000P**

Programmed Replacement Hard Drive with 1000 Camera Days Capacity



**HRMHD1562P**

Programmed Replacement Hard Drive with 1562 Camera Days Capacity



**HRMSLIDE**

Field Installable, Rack Mount Slide Kit



**RAPID EYE™ MULTI-MEDIA POS ACCESSORIES**

**ADI Ordering Information**



**AVBNETPITPOS**

**TCP/IP to RS232 Protocol Interface Translator for Point-of-Sale Data Capture**



**AVBPIT4POS**

**4 Channel RS232 Protocol Interface Translator for Point-of-Sale Data Capture**



**AVBPITPOS**

**Single Channel RS232 Protocol Interface Translator for Point-of-Sale Data Capture**

## FUSION SERIES

The Fusion Series is an 8, 16, or 32 channel high performing and feature-rich DVR available as a standalone digital recording solution or as part of a multi-site system supporting large retail chains, hotels, correctional facilities, or commercial projects. The Fusion Series offers robust search capabilities, which allows instant access to critical data, numerous storage options, including both internal and external RAID 5 configurations, and a graphical user interface. When combined with the Fusion Streamer and Fusion Streamer Remote Software, the Fusion DVR enables operators to configure the streamer remotely, monitor live video, and control PTZ domes.

The Fusion Series DVR offers these benefits:

- High resolution and capture rates
- Flexible connectivity and expansion
- Simultaneous connections to multiple-sites
- Point-of-Sale integration

## Fusion Digital Recording and Transmission Systems

The Fusion Series is offered in 34 configurations.

- Capture rates of 120, 240 and 480 ips
- 8, 16 or 32 channels of looping video inputs
- Live viewing up to 480 ips
- Records resolutions up to 720 x 480 (4CIF)
- Internal storage capacity ranging from 120 GB to 1 TB
- Front panel USB ports
- RS485 PTZ control
- 8 or 16 sensor inputs
- 4, 8 or 16 control outputs
- Up to 16 channels of audio
- Network interface: RJ45 10/100 Base T Ethernet
- Fusion Remote Video Software - HFRVS included
- 30-day trial of Fusion Video Management Software - HFVMS included



### HFDVR324801T

**Fusion Digital Video Recorder, 32 Channel, 480 ips, Real Time Live, CD-RW, 1.0 TB Hard Drive**

#### ADI Ordering Information



HFDVR324801T

### HFDVR322401T

**Fusion Digital Video Recorder, 32 Channel, 240 ips, Real Time Live, CD-RW, 1.0 TB Hard Drive**



HFDVR322401T

## ADI Ordering Information



### HFDVR164801T

Fusion Digital Video Recorder, 16 Channel, 480 ips,  
Real Time Live, CD-RW, 1.0 TB Hard Drive



### HFDVR1648025

Fusion Digital Video Recorder, 16 Channel, 480 ips,  
Real Time Live, CD-RW, 250 GB Hard Drive



### HFDVR162401T

Fusion Digital Video Recorder, 16 Channel, 240 ips,  
Real Time Live, CD-RW, 1.0 TB Hard Drive



### HFDVR1624050

Fusion Digital Video Recorder, 16 Channel, 240 ips,  
Real Time Live, CD-RW, 500 GB Hard Drive



### HFDVR1624025

Fusion Digital Video Recorder, 16 Channel, 240 ips,  
Real Time Live, CD-RW, 250 GB Hard Drive



### HFDVR1612R1T

Fusion Digital Video Recorder, 16 Channel, 120 ips,  
Real Time Live, CD-RW, 1.0 TB Hard Drive



### HFDVR1612R25

Fusion Digital Video Recorder, 16 Channel, 120 ips,  
Real Time Live, CD-RW, 250 GB Hard Drive

## ADI Ordering Information

### HFDVR161201T

Fusion Digital Video Recorder, 16 Channel, 120 ips, CD-RW, 1.0 TB Hard Drive



### HFDVR1612025

Fusion Digital Video Recorder, 16 Channel, 120 ips, CD-RW, 250 GB Hard Drive



### HFDVR824025

Fusion Digital Video Recorder, 8 Channel, 240 ips, CD-RW, Real Time Live, 250 GB Hard Drive



Additional models are available depending on your exact requirements. For ordering information, visit [www.honeywellvideo.com](http://www.honeywellvideo.com) or contact Inside Sales at 1-800-796-2288.

## FUSION SOFTWARE

### HFVMS

Fusion Video Management Software, Workstation Based Multi-site Central Station Monitoring



### HFVMSR

Fusion Video Management Software, Workstation Based Multi-site Central Station Monitoring (Connects to Rapid Eye™ Multi-Media Recorders)



## FUSION FIELD INSTALLABLE ACCESSORIES

### ADI Ordering Information



### Fusion External RAID 5 Array

- 4 TB and 5 TB External RAID 5 Array
- High Capacity Data Storage
- 3U Rackmount Chassis
- Triple Redundant Power Supply

#### HFDVREXTR4T

**External Storage, 4 TB, 3U Rackmount Chassis, Dual Host Channels, Triple Redundant Power Supply**



#### HFDVREXTR5T

**External Storage, 5 TB, 3U Rackmount Chassis, Dual Host Channels, Triple Redundant Power Supply**



#### HFDVR250UPG

**Expansion Hard Drive with 250 GB Capacity**



#### HFDVR32LOOP

**Hard Mount Expansion Panel, 32 Channel BNC Looping Outputs**



#### HFDVRUSBM

**External USB Modem for Dial-up Connectivity**

**FUSION FACTORY INSTALLED ACCESSORIES**

**ADI Ordering Information**

**HFDVRHDDUPG1**

Expansion Hard Drive, Internal with 250 GB Capacity



**HFDVRHDDUPGC**

Hard Drive Controller Card to Accept 4th Hard Drive



**HFDVRDVDRW**

DVD-RW Burner for Local Evidence Clip Generation



**HFDVR4VOUT**

Expansion Card, 4 Channel Composite Output, Available in 12R, 240 and 480 Real Time Live Models Only



**HFDVR16AUDIO**

Expansion Card, 16 Channel Analog Audio Input



## ADI Ordering Information



### HFDVRGBNIC

Expansion Card, GB Network Interface Card



### HFDVRR1

Expansion Card, Internal RAID-1 Controller



### HFDVRR5

Expansion Card, Internal RAID-5 Controller



### HFDVRSCSI

Expansion Card, SCSI Adapter



### HFDVREXT1T

External Storage, 1.0 TB, SCSI Controller Included



### HFDVRMEMUPG

Memory Expansion, Additional 256 MB

## FUSION STREAMER

The Fusion Streamer bridges the gap between traditional analog solutions and expensive high-end IP-based alternatives. The powerful combination of Fusion Streamer and Fusion DVR presents a cost-effective, hybrid recording solution that is flexible, reliable and easy to expand as your needs change.

The Fusion Streamer offers:

- High performance (120 PPS)
- 4 channel, MPEG-4 encoder that accepts analog video and audio signals and converts them into a digital packet based IP format
- Two methods of interfacing remotely with the streamer; Fusion Streamer Remote Software and Fusion Streamer Web Interface

### HF4CHSTRM

#### Fusion 4 Channel, MPEG-4 Encoder

- 4 channel analog to IP encoding
- 4 channel looping output
- 4 channel audio input
- 4 alarm inputs
- 4 control outputs
- RS485 PTZ control
- 2 way audio output
- TV-OUT – Quad view or sequencing 120 PPS real time
- RJ45 LAN connection
- 120 PPS real time display
- NTSC or PAL – dip switch selectable
- 16 MB Flash – emergency recording



### HF4CHSTRKMT

#### Rack Mount Kit, Fusion 4 Channel Streamer



## Embedded Digital Video Recorders Comparison Chart

	HRDV	HRDVS	HRHD+	HRHD410	HRDE 4x4	HRHD1	HRTL1 Series
<b>Number of Video Channels</b>	8, 16 Looping	1, 4, 8, 16 Looping	4, 9, 16 Looping	4 Looping	4 Looping	1 Looping	1
<b>Number of Audio Channels</b>	1 Line Input/ 1 Line Output	1 Line Input/ 1 Line Output	1 Line Input/ 1 Line Output	4 Line Input/ 1 Line Output	4 Line Input/ 1 Line Output	1 Line Input/ 1 Line Output	N/A
<b>Monitor Outputs</b>	MAIN: 1 S-VIDEO: 1 SPOT: 1	MAIN: 1	MAIN: 1 S-VIDEO: 1 SPOT: 1	MAIN: 1 S-VIDEO: 1 SPOT: 1	MAIN: 1 or VGA: 1	MAIN: 1 S-VIDEO: 1	MAIN: 1
<b>IPS Live/Recorded</b>	60 / 30	1: 60 / 60 4, 8, 16: 60 / 15	60 / 60	120 / 60	120 / 30	60 / 30	60 / 60
<b>Recording Resolution</b>	720 x 486	720 x 486	336 x 224 or 672 x 272	336 x 224 or 672 x 272	360 x 240 or 720 x 480	336 x 224 or 672 x 224	336 x 224 or 672 x 224
<b>Compression</b>	WAVELET	WAVELET	XtraStor	XtraStor	MPEG-4	WAVELET	WAVELET
<b>Gigabytes (GB) Supports</b>	Up to 1.6 TB	Up to 500 GB	Up to 500 GB	Up to 750 GB	80 GB	Up to 250 GB	80 GB
<b>Operating System</b>	QNX	QNX	LINUX	LINUX	LINUX	LINUX	N/A
<b>Remote Users</b>	3-1-1 (live-configuration-playback)	1	2-4-2 (admin-watch-search)	2-2-2 (admin-watch-search)	3	2-2-2 (admin-watch-search)	N/A
<b>Alarm Inputs/Outputs</b>	8/4 and 16/4	2/1	4/4, 9/4, 16/4	4/2	4/1	1/1	1/1

## HRDV

Honeywell's HRDV is one of our premier digital video recorders, featuring secure, high resolution, robust video storage and built in text insertion capabilities. Designed to meet the stringent demands of today's security professional, Honeywell's HRDV includes upgradeable storage capacity and flexible access options, which enables the DVR to 'scale up' as required. The HRDV offers:

- True duplex operations – allows reviewing live or recorded video without stopping record mode
- Real time operating system for reliable 24/7 operation
- Event reporting and multi-zone motion detection
- Point-of-Sale and ATM text monitoring capabilities
- Email alerts (e.g. automatic alarm notification over TCP/IP networks)



### HRDV

- 8 and 16 channels up to 1.6 TB
- HRDV16 record speed of up to 60 ips (NTSC); 50 ips (PAL)
- HRDV8 record speed of up to 30 ips (NTSC); 25 ips (PAL)
- Remote management via LAN/WAN, DSL or PSTN using Remote Access Software (RAS)

- Event reporting and multi-zone motion detection
- Email Alert; automatic alarm notification over TCP/IP networks
- Covert operation to hide display of selected cameras
- Verify original picture integrity with image authentication process

### HRDV16

HRDV 16 Channel Duplex Digital Recorder without Hard Drive; NTSC

#### ADI Ordering Information



### HRDV16F1600

HRDV 16 Channel Duplex Digital Recorder with 4 X 400 GB Fixed EIDE Hard Drive; NTSC



### HRDV16F1200

HRDV 16 Channel Duplex Digital Recorder with 3 X 400 GB Fixed EIDE Hard Drive; NTSC



## ADI Ordering Information



### HRDV16F750

HRDV 16 Channel Duplex Digital Recorder with 3 X 250 GB Fixed EIDE Hard Drive; NTSC



### HRDV16F500

HRDV 16 Channel Duplex Digital Recorder with 2 X 250 GB Fixed EIDE Hard Drive; NTSC



### HRDV16F250

HRDV 16 Channel Duplex Digital Recorder with 1 X 250 GB Fixed EIDE Hard Drive; NTSC



### HRDV16C

HRDV 16 Channel Duplex Digital Recorder with CD-RW Drive and No Hard Drive; NTSC



### HRDV16C1200

HRDV 16 Channel Duplex Digital Recorder with 3 X 400 GB Fixed EIDE Hard Drive and Internal CD-RW; NTSC



### HRDV16C750

HRDV 16 Channel Duplex Digital Recorder with 3 X 250 GB Fixed EIDE Hard Drive and Internal CD-RW; NTSC

## HRDV16C500

HRDV 16 Channel Duplex Digital Recorder with 2 X 250 GB Fixed EIDE Hard Drive and Internal CD-RW; NTSC

### ADI Ordering Information



## HRDV16C250

HRDV 16 Channel Duplex Digital Recorder with 1 X 250 GB Fixed EIDE Hard Drive and Internal CD-RW; NTSC



## HRDV16R800

HRDV 16 Channel Digital Recorder with 1 X 400 GB Fixed EIDE Hard Drive and 1 x 400 GB Removable Hard Drive; NTSC



## HRDV16R500

HRDV 16 Channel Digital Recorder with 1 X 250 GB Fixed EIDE Hard Drive and 1 x 250 GB Removable Hard Drive; NTSC



## HRDV8

HRDV 8 Channel Duplex Digital Recorder without Hard Drive; NTSC



## HRDV8F1600

HRDV 8 Channel Duplex Digital Recorder with 4 X 400 GB Fixed EIDE Hard Drive; NTSC



## HRDV8F1200

HRDV 8 Channel Duplex Digital Recorder with 3 X 400 GB Fixed EIDE Hard Drive; NTSC



## ADI Ordering Information



### HRDV8F750

HRDV 8 Channel Duplex Digital Recorder with 3 X 250 GB Fixed EIDE Hard Drive; NTSC



### HRDV8F500

HRDV 8 Channel Duplex Digital Recorder with 2 X 250 GB Fixed EIDE Hard Drive; NTSC



### HRDV8F250

HRDV 8 Channel Duplex Digital Recorder with 1 X 250 GB Fixed EIDE Hard Drive; NTSC



### HRDV8C

HRDV 8 Channel Duplex Digital Recorder with CD-RW Drive and No Hard Drive; NTSC



### HRDV8C1200

HRDV 8 Channel Duplex Digital Recorder with 3 X 400 GB Fixed EIDE Hard Drive and Internal CD-RW; NTSC

## HRDV8C750

HRDV 8 Channel Duplex Digital Recorder with 3 X 250 GB Fixed EIDE Hard Drive and Internal CD-RW; NTSC

### ADI Ordering Information



## HRDV8C500

HRDV 8 Channel Duplex Digital Recorder with 2 X 250 GB Fixed EIDE Hard Drive and Internal CD-RW; NTSC



## HRDV8C250

HRDV 8 Channel Duplex Digital Recorder with 1 X 250 GB Fixed EIDE Hard Drive and Internal CD-RW; NTSC



## HRDV8R800

HRDV 8 Channel Digital Recorder with 1 X 400 GB Fixed EIDE Hard Drive and 1 x 400 GB Removable Hard Drive; NTSC



## HRDV8R500

HRDV 8 Channel Digital Recorder with 1 X 250 GB Fixed EIDE Hard Drive and 1 X 250 GB Removable Hard Drive; NTSC



## HRDV ACCESSORIES

**ADI Ordering Information**



**HRDVMOD**

**PCMCIA Modem Card for Phone Line Connection  
(Inserts into Back Panel)**

Note: Applicable to HRDV and HRDVS



**HRDVNET**

**PCMCIA Network Card for TCP/IP Ethernet Connection  
(Inserts into Back Panel)**

Note: Applicable to HRDV and HRDVS



**HRDVCBLCA**

**Kit containing COMM Port and Alarm Port Breakout Cables**



**HRDVDUK**

**Drive Upgrade Kit and Mounting Hardware and Cables**



**HRDVBT**

**EIDE Drive Bay and Tray (No Hard Drive)**



**HRDVH80**

**80 GB EIDE Hard Drive**

## ADI Ordering Information

**HRDVH160**  
160 GB EIDE Hard Drive



**HRDVH200**  
200 GB EIDE Hard Drive



**HRDVH250**  
250 GB EIDE Hard Drive



**HRDVH400**  
400 GB EIDE Hard Drive



**HRDVCDRW**  
Internal EIDE CD-RW: Compatible with HRDV Only



**HRDVEVCD**  
Evidence CD: Compact Disc for Burning Clip(s) for Evidence Purposes



## HRDVS

HRDVS features secure, high-resolution video and audio recording combined with text insertion in simplex format. Everything you need to monitor the security needs of your daily business transactions is offered in Honeywell's HRDVS, including:

- Programmable time lapse, motion, alarm, and text recording
- Remote management via LAN/WAN, DSL, or PSTN using Remote Access Software (RAS)
- Remote duplex operation via RAS
- Real-time operating system for reliable 24/7 operation
- Point-of-Sale and ATM text monitoring capabilities



### HRDVS

- 1, 4, 8 and 16 channel models
- Programmable time lapse, motion, alarm and text recording
- HRDVS1 record speed of up to 60 ips (NTSC); 50 ips (PAL)
- HRDVS4, HRDVS8 and HRDVS16 record speed of up to 15 ips (NTSC); 12.5 ips (PAL)
- Remote management via LAN/WAN, DSL or PSTN using Remote Access Software (RAS)
- Remote duplex operation via RAS
- QNX real-time operating system for reliable 24/7 operation
- Point-of-Sale/ATM text monitoring

#### ADI Ordering Information



#### HRDVS8

**HRDVS 8 Channel Digital Recorder without Hard Drive; NTSC**



#### HRDVS16F500

**HRDVS 16 Channel Digital Recorder with 2 X 250 GB Fixed EIDE Hard Drive; NTSC**



#### HRDVS16F250

**HRDVS 16 Channel Digital Recorder with 1 X 250 GB Fixed EIDE Hard Drive; NTSC**

## HRDVS16

HRDVS 16 Channel Digital Recorder without Hard Drive; NTSC

### ADI Ordering Information



## HRDVS8F500

HRDVS 8 Channel Digital Recorder with 2 X 250 GB  
Fixed EIDE Hard Drive; NTSC



## HRDVS8F250

HRDVS 8 Channel Digital Recorder with 1 X 250 GB  
Fixed EIDE Hard Drive; NTSC



## HRDVS4

HRDVS 4 Channel Digital Recorder without Hard Drive; NTSC



## HRDVS4F500

HRDVS 4 Channel Digital Recorder with 2 X 250 GB  
Fixed EIDE Hard Drive; NTSC



## HRDVS4F250

HRDVS 4 Channel Digital Recorder with 1 X 250 GB  
Fixed EIDE Hard Drive; NTSC



## HRDVS1

HRDVS Single Channel Digital Recorder without Hard Drive; NTSC



## HRDVS1F500

HRDVS Single Channel Digital Recorder with 2 X 250 GB  
Fixed EIDE Hard Drive; NTSC



## HRDVS1F250

HRDVS Single Channel Digital Recorder with 1 X 250 GB  
Fixed EIDE Hard Drive; NTSC



## HRHD SERIES

Honeywell's HRHD Series features sophisticated, proprietary compression, XtraStor technology, which provides more storage on smaller media without sacrificing image quality – resulting in days, weeks and even months of high-resolution video storage. Honeywell's HRHD Series offers:

- Archive video clips directly to a USB 2.0 storage device
- PTZ dome control
- Simple installation, configuration, and operation
- Easy-to-use GUI, front panel controls, and jog/shuttle



### HRHD Series

The HRHD Series is available in multiple configurations.

- Capture rates of 60 ips globally, 60 record/60 display
- 16, 8, 9, or 4 channels of looping video inputs
- Internal storage capacity ranging from 80 GB to 500 GB
- Record/play in high definition video (720 x 480 NTSC) with built in hard drive options
- Remote access through PSTN, LAN/WAN (built in network interface), DSL, and ISDN (with easy-to-use remote access software included)

#### ADI Ordering Information



#### HRHD16C500

**16 Channel DVR with 500 GB Hard Drive and Internal CD-RW**



#### HRHD16C320

**16 Channel DVR with 320 GB Hard Drive and Internal CD-RW**



#### HRHD16C160

**16 Channel DVR with 160 GB Hard Drive and Internal CD-RW**

## HRHD16C80

16 Channel DVR with 80 GB Hard Drive and Internal CD-RW

### ADI Ordering Information



## HRHD9C500

9 Channel DVR with 500 GB Hard Drive and Internal CD-RW



## HRHD9C320

9 Channel DVR with 320 GB Hard Drive and Internal CD-RW



## HRHD9C160

9 Channel DVR with 160 GB Hard Drive and Internal CD-RW



## HRHD9C80

9 Channel DVR with 80 GB Hard Drive and Internal CD-RW



## HRHD4C160

4 Channel DVR with 160 GB Hard Drive and Internal CD-RW



## HRHD4C80

4 Channel DVR with 80 GB Hard Drive and Internal CD-RW



Additional models are available depending on your exact requirements. For ordering information, visit [www.honeywellvideo.com](http://www.honeywellvideo.com) or contact Inside Sales at 1-800-796-2288.



## HRHD410

### 4 Channel Digital Video Recorder

With its superior digital technology, flexible feature set, and user-friendly operation, the HRHD410 provides a powerful, yet affordable digital solution for a variety of video surveillance applications.

The HRHD410 features:

- Text insertion capability
- Motion detection, time lapse, and event recording
- Intuitive, easy-to-use front panel controls
- Multiple search engines and various record modes
- Displays high quality live video (720 x 480 NTSC; 720 x 576 PAL) with built-in CD-RW
- 4 looping video inputs
- 60 ips globally, 120 ips globally in simplex mode
- Copy video clips directly to a USB storage device
- RS232/RS485 ports to communicate with external devices (modems, remote controls, domes)
- Remote access through PSTN, LAN/WAN (Internal NIC), DSL, and ISDN

#### ADI Ordering Information



## HRHD410C160

### 4 Channel Digital Video Recorder 160 GB Hard Drive



## HRHD410C80

### 4 Channel Digital Video Recorder 80 GB Hard Drive



## HRHD1+

With Honeywell's single channel HRHD1+ digital video recorder, you can easily upgrade from a traditional, time-lapse recorder to a DVR with minimal investment or training. Our HRHD1+ DVR offers:

- Built-in network connection, providing remote viewing and control through network/telephone connection
- Windows® based remote software package allows secure operation and management of multiple HRHD units, including the HRHD+ Series: 4, 9, 16 and the HRHD410
- Multiple search engines (date/time, calendar, event)
- Front panel control buttons and jog/shuttle display

### HRHD1R160

Single Channel Digital Video Recorder with 160 GB Removable EIDE Hard Drive

#### ADI Ordering Information



### HRHD1R80

Single Channel Digital Video Recorder with 80 GB Removable EIDE Hard Drive



## HRHD ACCESSORIES

**ADI Ordering Information**



**HRHD16RMKT**

Rack Mount Kit, 1 Set, HRHD 4, 9, 16 Channels



**HRHD1R410RMT**

Rack Mount Kit, 1 Set, HRHD1 and HRHD410C



**HRHDHRT**

Removable Drive Tray only for HRHD1



**HRHDHR250**

Removable Drive Tray with 250 GB Hard Drive for HRHD1



**HRHDHR160**

Removable Drive Tray with 160 GB Hard Drive for HRHD1



**HRHDHR120**

Removable Drive Tray with 120 GB Hard Drive for HRHD1



**HRHDHR80**

Removable Drive Tray with 80 GB, EIDE for HRHD1

## HRDE 4x4

Honeywell's newest member of our embedded DVRs, the HRDE 4x4, boasts a wide range of features, including a small, elegant desktop case design and intuitive front panel controls for easy installation and operation. The HRDE 4x4 is a MPEG-4 digital recorder with the capability of resolution selection at high or standard depending on your needs. Ideal for corner stores, small businesses, and other facilities requiring monitoring of up to four areas of interest with a single recorder. Honeywell's HRDE 4x4 meets the demand for a cost-effective surveillance solution that delivers quality performance of more expensive models.

### HRDE4F80

#### 4 Channel Digital Video Recorder

- 4 video channels
- 4 audio channels
- MPEG-4 inter-frame compression
- USB port for evidence retrieval and software upgrades
- Recording resolution up to 720 x 480
- Up to 120 ips globally
- Analog (NTSC/PAL) and RGB (VGA monitor)



#### ADI Ordering Information



## HRDE 4x4 ACCESSORIES

### HRDE4RC

#### HRDE 4x4, IR Addressable Remote Control

#### ADI Ordering Information



### HRDE4PSKT

#### HRDE 4x4 Replacement Power Supply Kit



## HRTL1

If you're looking to migrate from a traditional VCR to today's digital technology, Honeywell's HRTL1 offers a "drop-in replacement" digital video recorder option. The HRTL1 operates with most multiplexers and quad processors, and features a camera switcher interface that synchronizes the HRTL1 DVR with an existing multiplexer.



### HRTL1

- Single channel, with or without removable hard drive
- Record speed of up to 60 ips (NTSC)
- Playback speed from 1/32X to 32X
- Real-time operating system for reliable 24/7 operation
- VCR replacement- works with most multiplexers
- Search by time and date, last record, full clip, or alarm list

#### ADI Ordering Information



### HRTL1-80

**Single Channel Digital Video Recorder with 80 GB Removable Hard Drive**



### HRTL1

**Single Channel Digital Video Recorder without Hard Drive**

## HRTL1 ACCESSORIES



### HRTL1BRKT

**HRTL1 Rack Mount Brackets, Left/Right**



### HRTL1CTG

**HRTL1 Removable Hard Drive Cartridge**



### HRTL1PS

**HRTL1 Replacement Power Supply**