

## RAPID EYE™ MULTI-MEDIA LT v7

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### 4 AND 9 CHANNEL DIGITAL VIDEO RECORDING (DVR) SYSTEM

The family of Rapid Eye™ Multi-Media DVRs is more versatile than ever. Three powerful hardware platforms are perfect for a diverse range of installations. The Rapid Eye Multi Media Series uses v7 software to expand beyond traditional time-lapse type recording to provide event-driven digital recording and remote streaming. The flagship Rapid Eye Multi-Media DSP v7 offers 16-channel real-time recording and live local viewing. The Rapid Eye Multi-Media v7 is a more economical 16-channel system perfect for a large number of remote installations that require remote management and event driven recording. The Rapid Eye Multi-Media LT v7 offers the same software features in a smaller, more economical configuration for four or nine cameras. Together, the Rapid Eye family offers seamless remote operation as well as unprecedented flexibility to meet virtually any needs.

Featuring the v7 software, Rapid Eye Multi-Media LT v7 has expanded beyond the traditional time-lapse video recording role and is a truly event-driven digital recording and transmission system. The system is designed to record, search, and transmit video, audio, and data transactions while simultaneously providing users with both live and post event evaluation. The system has unsurpassed performance in a small, economical configuration.

Benefits of the system include superior time-lapse recording performance, event-driven accelerated response recording featuring 64 user-definable rules and enhanced PTZ control both locally and remotely – allowing direction of PTZ cameras with a simple click and drag of the mouse. The hierarchical site tree allows user definable grouping of sites and supports multiple levels of nesting within a site branch. Network Address Translation (NAT) allows many units to share a single IP address. The new Rapid Clip feature makes remote clip generation fast and easy.

#### Market Opportunities

The Rapid Eye Multi-Media LT v7 uses video verification to integrate with existing physical security infrastructure. It works seamlessly with Honeywell's WIN PAK® SE, WIN-PAK® PE, NetAXS™ and Pro-Watch® access control software platforms. For retail markets, its built-in data capture capability makes it extremely useful as a loss prevention analysis tool. Whether the market is commercial, industrial, municipal, financial, or retail, when the need is for remote video surveillance, the solution is Rapid Eye Multi-Media. The RapidEye Multi-Media LT v7 is the perfect solution for a video system requiring up to 4 or 9 channels.

#### Features

##### Hardware

- 4 or 9 looping video inputs
- 20 or 40 ips global rates at 2 CIF resolution (NTSC/PAL)
- Storage capacity from 400, 800, 1250 & 2000 camera days
- Shock mounted hard drive
- Optional CD-RW drive for clip generation and easy software upgrades
- Single audio channel (bi-directional and VoIP)
- 4 or 9 alarm inputs
- 4 control outputs
- Public Display Mode
  - Multiplexed using composite video output
  - Switching using SPOT monitor output
- 2 RS232 serial ports (DB9) for POS data capture, PTZ control and external modem
- VxWorks™ – secure, stable multi-tasking real-time OS

##### Software

- Resolutions: selectable per camera
  - Independently for live and recording
- Event-driven response recording
  - 64 user definable rules
- Enhanced PTZ control and configuration
- Expanded POS capability up to four devices
- Hierarchical site tree – group by region, location, etc.
- Network Address Translation (NAT)
  - TCP/IP Port Forwarding
  - Multiple units share an IP address
- DHCP requires DHCP server and WINS/DNS services
- SNTP client automatically synchronizes to SNTP servers
- RapidSearch™ for video evidence by events, data, motion or alarm



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### FEATURES

The system consists of three major components which include:

- **Digital Video Recorder** (DVR), featuring 20 or 40 IPS global recording rates at 2CIF resolution and the **LocalView** interface
- **ADMIN Software**, the workstation/server-based administration tool capable of single site and user management
- **VIEW Software**, a feature-rich, workstation-based remote operator program

The combination of ADMIN and VIEW truly differentiates the Rapid Eye system from the competition.

#### LocalView

- Live time-lapse video – display a single camera all cameras simultaneously
- PTZ control – Vector driven within a video stream or full featured via PTZ controller icon
- Interactive user controllable accelerated recording rates (Boost)
- Public Display mode provides a simple cost effective solution for public view monitoring
- Review recorded video, audio and data or create evidence clips using Clip Builder tab
- Review evidence clips using Clip Player tab
- Basic system and camera configurations can be defined using System tab
- Four levels of password protected user access and control

#### ADMIN Software

HRM7ADMIN

(can be ordered separately)

- Capable of enterprise-wide site, user, tour and alarm station management
- Windows®-based administration software has a user friendly GUI to create the Rapid Eye database
- Can be hosted on a network server using common networked database protocols such as Access, SQL or MSDE
- Makes controlling and administering a multi-site, multi-user, enterprise wide system fast, easy and secure

#### VIEW Software

HRM7VIEW

(single license included with DVR, can also be ordered separately)

- Feature rich, Windows®-based operator software has a user friendly GUI for complete remote operations and configuration of one or many different DVRs simultaneously
- Observe and monitor live or recorded video, audio and data from any DVR listed in the Site tab. Connect to multiple sites simultaneously using multiple methods from the same or multiple workstations
- Connect to the same DVR site using multiple connection methods
- Supports LAN/WAN networks and dial-up connections with TCP/IP protocol
- Control multiple PTZ cameras, monitor two independent 2-way audio channels, monitor up to 16 streams of POS, ATM and/or Alarm panel generated data, configure 16 alarm inputs and control eight auxiliary outputs – all from within a single VIEW session

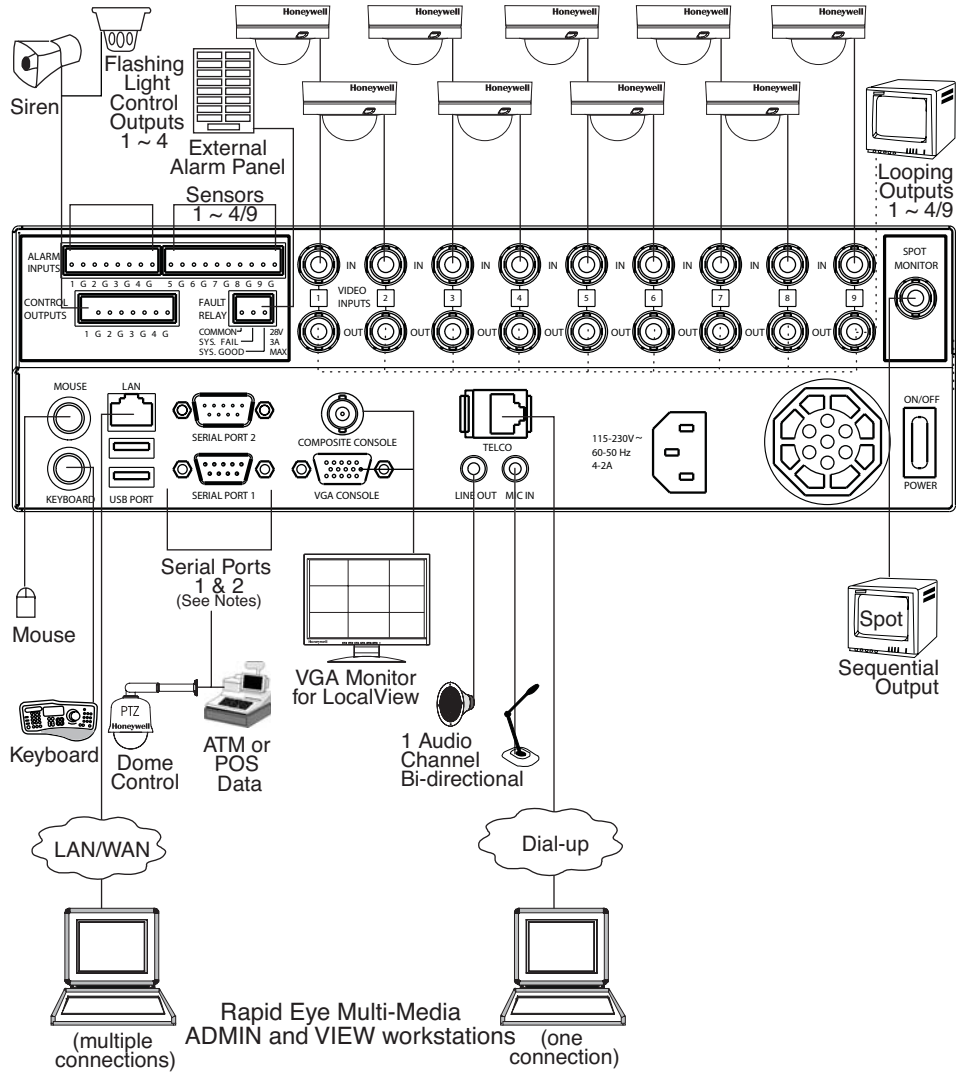
#### ADMIN and VIEW Workstation Requirements (Minimum requirements)

- IBM-compatible PC
- Windows® 98, NT, ME, 2000 or XP
- Pentium III class or better CPU (600 MHz)
- 128 MB RAM, 256 MB RAM or greater with XP
- 200 MB of free hard disk space, plus adequate storage for video clips
- CD-ROM (for software installation and upgrades)
- Video card(s) and monitor(s) that support XGA mode 1280 x 1024 or SVGA mode 800 x 600 (minimum)
- Mouse or other compatible pointing device

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### SYSTEM DIAGRAM



#### SYSTEM DIAGRAM NOTES

Serial Port 1:

DB9 (M) RS232 only; used for data capture, external modem or PTZ control with an additional code conversion device

Serial Port 2:

DB9 (M) RS232 only; HyperTerminal connection, external modem or PTZ control with an additional code conversion device

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### SPECIFICATIONS

Rapid Eye VIEW Software		
Site connections per PC	64 sites	
Video Streams per PC	1024 streams	
Sessions Maximum per DVR	4 Channel	9 Channel
	Live Video (all users) 16 streams	Live Video (all users) 32 streams
Users Viewing Live Video (and activating outputs)	10 sessions	
Users Retrieving Video	10 sessions	
Users Accessing Events	10 sessions	
Users Accessing Alarms	10 sessions	
Users Accessing Maintenance	1 session	
DVR Unit		
Video Standard	NTSC/EIA or PAL/CCIR	
Video Format	160 x 120, 320 x 240, 640 x 240 (NTSC) 192 x 144, 384 x 288, 704 x 288, (PAL)	
Colors	24-bit true color	
Recording and Transmission Compression Algorithm	Modified H.261/263 (REM proprietary)	
Record Mode	(FIFO) Continuous buffer	
Recording Capacity	400 – 2000 Camera Days	
Recording Rate (ips)	20 or 40 at 2CIF global	
Video Quality Settings	1 – 10 (low – high)	
Video Motion Detection	Configurable to sense mass and motion multiple within regions of interest	
Video Motion Search	Configurable post event motion search within multiple regions of interest	
POS/ATM or Alarm Data	4 or 9 – Streams (model dependent)	
Event Recording and Reporting	Session, System, Inputs, Outputs, Video, Motion and POS/ATM data	
Mass Storage	1 Hard Drive “shock mounted”	
Removable Media	Factory installed CD-RW (optional)	
SNTP Client	Synchronize DVR to SMTP servers	
DHCP Enabled	Network support for DHCP, WINS or DNS name servers	
TCP/IP Port Forwarding	Multiple DVRs share same IP Address	
PTZ Dome Control		
Local	Mouse control only	
Remote	Mouse control and configuration	
Protocols Support	7 major protocols, Over 50 using Bossware (requires additional hardware)	

Rear Panel Connections	
Video Input	4 or 9 – Looping, BNC 1.0 – Vp-p @ 75 Ohms
Video Output	1 – Spot (mux) or switcher, BNC 1.0 – Vp-p @ 75 Ohms
Audio Input/Output	1 – Line level, 3.5 mm jack
Alarm/Control Inputs General Purpose	4 or 9 – TTL level dry contacts User configurable NO, NC, EOL 3.5 mm terminal block
Control Outputs	4 – 5V TTL @ 50 mA max 5V each output 3.5 mm terminal block
Fault Relay	DPDT Form C relay 28 V, 3 A
Serial Ports	2 – RS232 DB9 (M)
Modem/Telco	V.90 multi-protocol Standard RJ-11 Interface
Networking	10/100 base T Ethernet, Standard RJ-45 Interface
Dual VGA Outputs	800 x 600 monitor LocalView Interface
AC Power	100-240 VAC 50/60 Hz IEC-320 connector Regional power cord included
Electrical	
Input Voltage	115 – 240 VAC, 60 – 50 Hz
Operating Voltage	115V/230V Auto sensing
Power Consumption	220 W (maximum)
Mechanical	
Dimensions (W x H x D)	11.3" x 3.4" (2U) x 12.5" (85 mm H x 282 mm W x 318 mm D)
Weight	Unit: 15.0 lb (7.0 kg) Shipping: 17.0 lb (8.0 kg)
Construction	Housing: Steel chassis Finish: Black matte paint
Environmental	
Temperature	Operating: 40°F to 105°F (5°C to 40°C) Storage: 14°F to 150°F (-10°C to 65°C)
Relative Humidity	0% - 90%, non-condensing
Regulatory	
Emissions	FCC: Part 15, Class B CE: EN 61000-6-3:2001 CE: EN 61000-3-2:2000
Immunity	CE: EN 50130-4:1995 +A1:1998
Safety U.S. and Canada International	UL, cUL Listed UL 60950-1:2003 IEC/EN 60950-1:2001



