AMERICAN DYNAMICS

Intellex® RMS
DIGITAL VIDEO MANAGEMENT SYSTEM

Intellex® RMS (RAID Mass Storage) is an intelligent digital video management system that combines multiplexing, alarm/event detection, audio, text, and video recording with enhanced data protection and larger storage options. Intellex will simultaneously display live video, playback video, audio and text, host multiple remote users, archive, search and more – all while recording multiple cameras.

The same feature set available in the latest Intellex software is supported with Intellex RMS. Define motion-based event criteria before recording and IntelleCord® software records only those events you want to see. Once images and text are recorded, define the type of recorded events you want to find and Smart Search software instantly locates and replays them with digital precision. Type in a text string and Intellex will instantly display the video and time-synchronized text data for review, all while still recording live events.

In addition to the benefits and capabilities of Intellex, Intellex RMS adds RAID 5 fault tolerance, hard drive failure alarms, internal storage capacities up to 1.5 TB, and simple hard drive maintenance. What's more, the rack mount chassis provides for easy installation. The RMS is designed for freestanding and self-supporting enclosures with EIA-310-D standard 19-inch mounting flanges, in front and rear, and a minimum of 24-inch free internal depth.

Intellex RMS is the solution for customers who need a highly reliable digital video management system. It is compatible with Network Client™ and all third party applications developed using the Intellex API, so it is remotely accessible, networkable, and easy to integrate with other equipment.

FEATURES

- Built-in RAID 5 configuration for fault tolerance
- Up to 1.5 terabytes of internal mass storage
- Easily accessible and swappable hard drives for reduced service times
- Hard drive failure alarm and email notification
- Supports Intellex Premier software features (see Intellex data sheet)
- Remote access and management with Network Client™ Remote Management Software, included
- Integrate video with other software applications using the Intellex API

- Eight camera inputs
- Capture up to 120 ips, NTSC (100 ips, PAL)
- Text recording from devices such as cash registers and ATMs (up to eight devices)
- Integrated live and recorded audio
- Internal floppy drive for saving system setups and saving single images
- Internal CD-RW for exporting video, audio, and text
- Windows® 2000 operating system
- Integrated recording and storage unit in a 4U form factor
- Durable rack mount chassis with slide rails for easy installation

SPECIFICATIONS

Model Numbers

ADIX4008P072P

- Video Standard
  Null = NTSC
  P = PAL
- Internal Storage
  072 = 720 GB
  096 = 960 GB
  150 = 1500 GB
- Package
  P = Premier
- Camera Inputs
- Platform
  40 = RMS
- Family
  IX = Intellex
- American Dynamics

ADIX4008P072 . . . . .720 GB internal storage, NTSC
ADIX4008P072P . . . . .720 GB internal storage, PAL
ADIX4008P096 . . . . .960 GB internal storage, NTSC
ADIX4008P096P . . . . .960 GB internal storage, PAL
ADIX4008P150 . . . . .1500 GB internal storage, NTSC
ADIX4008P150P . . . . .1500 GB internal storage, PAL

Operational

Video Recording System
*Internal Media Format . . . . .IDE hard drives provide storage capacities of 720 GB, 960 GB, or 1,500 GB RAID 5 configuration
Removable Media Format . . .CD-RW 5.25-inch half-height IDE connection, one 1.44 MB 3.5-inch half-height diskette
Archiving Format . . . . .Optional External DAT drive, DDS-4, SCSI-3 connection; support for SDLT 320
Record Mode . . . . .Linear or continuous, selectable
Video Standard . . . . .NTSC/EIA (RS-170A compliant) or PAL /CCIR

Image Rate Settings (images per second)
NTSC/EIA . . . . .120, 60, 30, 15, 7.5, 2.5 and 1
PAL/CCIR . . . . .100, 50, 25, 12.5, 6.25, 2 and 0.8
Resolution . . . . .High (640 x 240), recorded Low (320 x 240), recorded 640 x 480 live display, 800 x 600 full screen

Quality/Capacity Settings
Extended Record . . . . .Maximum compression
Normal . . . . .Medium compression
Super . . . . .Minimum compression

Video Sensitivity
Normal . . . . .Medium delta threshold
High . . . . .Low delta threshold
Gain Control . . . . .Reduce gain, normal Increase gain low (500 ft Cat 5 run) Increase gain medium (1,000 ft Cat 5 run) Increase gain high (1,500 ft Cat 5 run)

Alarm Recording
Settings . . . . .Image rate, quality and sensitivity can be independently set for alarm conditions
Adjustable Duration . . . . .Pre-alarm and post-alarm are programmable from five seconds to five minutes
Schedule . . . . .Programmable recording times for each day of the week, in thirty minute increments

Front Panel Controls and Indicators
Front Panel Cover . . . . .CD-RW, diskette drive, hard drives, power, LEDs
Discrete LED Indicators . . . . .Power, alarm, record
Switches . . . . .Power and reset
Setup/Operation Menus . . . . . .Accessed locally via software interface, or remotely from Network Client v3.1
On-Screen Displays . . . . .Camera title, date/time, alarm name, video loss – can be turned on and off in playback mode only

Inputs/Outputs

Video Inputs . . . . .Eight non-looping composite, 1 Vp-p, selectable 75 Ω or High-Z, BNC
Alarm Inputs and Outputs . . . . .Eight, one per camera, activated by contact closure or TTL/CMOS signal Inputs: programmable polarity Outputs: active high

Analog Output . . . . .One composite, 1 Vp-p, 75 Ω
Digital SVGA Monitor . . . . .800 x 600 pixel resolution, horizontal 31 to 47 kHz, vertical 50 to 75 Hz
Network Host Interface . . . . . . .TCP/IP Ethernet interface allows network access to video by up to five Network Client v3.1 users

Rear Panel Connectors

Camera Inputs . . . . .Eight composite, BNC
Alarm Inputs and Outputs . . . . .Screw terminals on a removable interface adapter
Power . . . . .One, IEC-320-C13
Keyboard PS/2-style
Mouse . . . . .One, 5-pin DIN connector, PS/2-style with pins 1, 3 and 5 active
Monitor .One, SVGA, DB15-S
Video Output . . . . .One composite BNC
TV Output . . . . .One S-video (S-video/RCA adapter included)
Printer . . . . .One, DB25-S, parallel
USB . . . . .Four
Com2 . . . . .One, RS-232, DB9-P
Network .RJ-45, Cat 3 or Cat 5 twisted-pair Ethernet
Audio . . . . .RCA type line or microphone-in, line-out
SCSI-3 . . . . .One 68-pin female is included with external DAT drive kit

Electrical

Power . . . . .110 VAC, 50/60 Hz, 2.5 A 240 VAC, 50/60 Hz, 1.2 A
CAUTION: Set the voltage switch to the appropriate voltage (110 or 240) before connecting power.

Mechanical

Dimensions (H x W x D) . . . . . . .7 x 17 x 22.6 in (excluding slides, handles)
Unit Weight . . . . .22.7 kg (50 lbs)
Shipping Weight . . . . .33.6 kg (74 lbs)
Rack Mount . . . . .Fits racks with EIA-310-D standard 19-inch front and rear mounting flanges

Environmental

Operating Temperature . . . . . . .5° to 40° C (41° to 104° F)
Humidity . . . . .5% to 95% RH (non-condensing)
Storage Conditions . . . .-10° to 60° C (14° to 140° F)
Maximum Operating Tilt . . . . . .15°
Operating Altitude . . . . .0 to 3,048 m (0 to 10,000 ft)

Regulatory

Emissions . . . . .FCC 15b, Class A EN55022 (1998) Class A EN61000-3-2 (1995) EN61000-3-3 (1995)
Immunity EN50130-4 (1996)
Safety . . . . .EN60950 Amendments 1, 2, and 3 UL1950, CUL1950, Third Edition CB Scheme Certified IEC60950:1999

Accessories

RDVNC-31 . . . . .Network Client v3.1
RDVSPK01 . . . . .Speakers
RDVEXP01 . . . . .1 to 4 Text Data Port Expander
RDVDAT01 . . . . .SCSI External DAT Drive (Includes SCSI Interface Card)
RDVUPGSCSI01 . . . . .SCSI-3 Adapter Card
ADACHDDC120 . . . . .120 GB Hard Disk Drive With Drive Caddy
ADACHDDC160 . . . . .160 GB Hard Disk Drive With Drive Caddy
ADACHDDC250 . . . . .250 GB Hard Disk Drive With Drive Caddy

*Approximately 18% of disk capacity is used for system and RAID 5
Note: The use of an uninterruptible power supply (UPS) is highly recommended as standard practice to protect mission-critical computing systems from power fluctuations that may cause loss of data.

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