



Technical Specifications

RoadRunner Mobile Digital Video Recorder

VIDEO

Signal Format	NTSC or PAL (auto-detect)
Video Inputs MR8/MR4/MR2	Composite BNC 8/4/2 Active
Video Outputs	Composite
Display Modes	Single, Quad, 3x3, Sequence, Digital Zoom
Display Resolution	720x480 (PAL: 720x576)
Recording & Playback Rate	Up to 120 ips (PAL: up to 100 ips)
Compression	MPEG4
Encryption	Proprietary chained-frame watermarking w/ 128 bit encryption
Recording Modes	Time-Lapse, Text-In, Event, Pre-Event (up to 30 Minutes)
Search Modes (Standard)	Text-in, Panic, Date/Time, Calendar, Event, Motion
Search Modes (GPS Option)	Map Location, Vehicle Speed
Color Control	Brightness, Contrast, Saturation, Hue

INPUTS / OUTPUTS

Alarm In MR8/MR4/MR2	8 / 4 / 2 Active
Alarm Out	2
Reset In/Panic In	1 / 1
Serial Interface	RS232, RS485
External Interface	2 USB 2.0, 5 x 12V Power Supply
User Interface	RASplus Software, Standard DCP, USB Mouse

SYSTEM

Operating System	Embedded Linux (Built-in Flash Memory)
Database File System	Proprietary Optimized Multimedia Database
Disk Management	Temperature Check, Scheduled Diagnosis
Data Export Medium	USB (HDD, CD-RW, Flash Drive)
System Log	Up to 5,000; user login/out, config changes, remote connect/disconnect, errors
Event Log	Unlimited, alarm-in, motion, video loss, text-in
Storage (Standard Hard Disk)	Removable HDD (160GB, 250GB, 500GB, 750GB, 1TB, 1.5TB)
Storage (Solid-State Hard Disk)	Removable SSD (60GB, 120GB, 250GB)

NETWORK

Connections	Ethernet, External Modem
Protocols	Static IP, ADSL, DHCP, DVRNS (Enhanced DDNS)
Network Data Export	Clip-Player (.exe), AVI, JPEG, BMP

SECURITY

Recording Media	Key-lock
Access Rights	Password Protection; Programmable per Group (up to 256 users; 64 Groups)
Image Authentication	Chained Frame Finger Print Encryption and Watermarking

GENERAL

Operating Range	9 to 30 VDC
DVR Dimensions/with Enclosure	11.8" x 4.8" x 14.6" (WxHxD) / 14.5" x 5.9" x 17.8" (WxHxD)
DVR Weight/with Enclosure	19 lbs / 31 lbs
Operating Temperature/with Enclosure	32°F to 130°F (0°C to 54.4°C) / -20°F to 130°F (-28.8°C to 54.4°C)
Storage Temperature	-40°F to 160°F (-40°C to 71.1°C)
Operating Humidity	0% to 95% (Non-condensing)
Approvals	FCC, CE, IEC61373, EN50-155, EN60068-230, Mil-Spec STD-810F, SAE J1455

MINIMUM SYSTEM REQUIREMENTS

Operating System	Microsoft Windows 2000 or Microsoft Windows XP
CPU	Intel Premium II (Celeron) 266Mhz or higher
RAM	64Mb or higher
VGA	AGP, Video RAM 8MB or higher (800x600, 24bpp or higher)

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