



Technical Specifications

RoadRunner Mobile Digital Video Recorder (MR8, MR4)

VIDEO	
Signal Format	NTSC or PAL (auto-detect)
Video Inputs MR8/MR4 / Outputs	Composite BNC 8/4 Active / 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/Post-Event (up to 30/15 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
Standard Hard Disk / Solid-State Storage	Removable 250GB, 500GB, 750GB, 1TB, 1.5TB, 2TB / 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, XP or Vista
CPU	Intel Premium II (Celeron) 266Mhz or higher
RAM	64Mb or higher
VGA	AGP, Video RAM 8MB or higher (800x600, 24bpp or higher)

Features and Specifications are Subject to Change without Notice

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