www.vidiwave.com
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Unit 5, Beaufort Court, Roebuck Way,
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Product Datasheet

Part Code: VHVR-RP

Vidistor IP66 Rail Pro Extreme
Waterproof Ultra-Rugged Mobile DVR – 4/8 or 16 Channel

Key Features

- H.264 Compression (Main Profile)
- Real-time Recording at CIF quality (all channels)
- Selectable Record Quality & Frame Rate per camera / per mode (normal & alarm): CIF (D1),2CIF and 4CIF supported.
- Pentaplex Operation: (Supports Live / Record / Playback/ Transmit modes simultaneously)
- Dual Stream – Optimises Network SpeedS - 3G/WLAN
- Supports Full management and connectivity - 3G/WLAN
- Supports RS-232 or RS485 data Text Insertion as Meta tag
- Friendly Local Set-Up / Support Interface – USB/Bluetooth/2.4GHz mouse
- S.M.A.R.T (Self Monitoring Analysis & Reporting Technology)
- WCS (Watermark Check System) – Anti-Tamper for admissable to evidence to court
- Waterproof IP66 construction for Rail and Marine Fleet
- Extreme Temperature Range (-40 ~ +75°C)
- Bespoke Internal Climate Control
- Customisable Mil and Rail spec connector panel
- Extreme vibration and temperature certified

HD FULL 1080P

Specifications

Software Features	Automatic connection of DVR's for newly coupled vehicles to Driver or Guard's Control Interface
	Up to x 64 camera supported by Driver's Control Interface software
	Supports Multiple Connections to Remote DVR's simultaneously (Live & Playback)
	Remote Setup (full DVR and IP configuration)
	Remote Event search engine for playback
	Remote Time & Date search engine
	Remote GPS and meta data search engine
	2-way Audio (Bi-directional) – to Driver / Passenger areas with local DVR

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Specifications.....continued

Software Features (Continued)	Supports Instant Archiving on demand via 3G and WLAN
	Supports Remote Scheduled archiving of events and user defined time slots.
	Supports multi-user access/function control levels
	Supports automatic emailing of PASCOM alarms with video snapshot image
	Supports automated backup of all alarms to an off-train FTP server via WLAN and 3G
	Supports Automated PUSH diagnostics for DVR and camera health via real-time email alerts.
	Supports GPS fleet tracking to help fleet managers locate last location of remote infrastructure
Hardware	
Customisation Options (Pre-order only)	Choice of IP66 Chassis connectors: Amphenol / AB / Harting (M12) / Binder
	Own Label Branding and Chassis colour choice
	Custom Chassis mounting options
	Removable HDD access door
Certifications	Rail EMC and EMI: EN50121-2-3:2006
	Rail Environmental: EN50155:2007
	Rail Vibration: EN61373
Operating System Embedded Linux	OS Firmware Linux OS in Flash Memory
NTSC/PAL Selectable	Video Input Composite: 4 / 8 / 16
Max Recording Rate at CIF (FPS)	480 (NTSC) / 400 (PAL) / 25 IPS Per Camera
Ethernet	10 / 100 / 1000 Mbps via M12
Network Bandwidth Control	26 kbps - Unlimited
Video Stream	Dual (Record & Transmission)
Alarm Input	2 (TTL) Programmable as NC/NO
Alarm Output	2 (TTL) Programmable as NC/NO
Alarm Input	4 (TTL)
USB Interface	x3 USB (x1 Front Panel, x2 Rear Panel)

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Specifications.....continued

Search	Date/Time, Calendar, Event, Smart Search, GPS, G-Sensor Event
User Interface (Keyboard)	Mouse via M12
Archive File Format	AVI, MPG, DIVX, H264, JPG2000
SMTP Server	YES
Time Server	YES (GPS / TPS)
Auto DST	YES
Recording Quality	Super / High / Standard (D1 / Half D1 / CIF)
Recording Modes	Continuous / Alarm / Motion / Emergency / Scheduled
Pre-Alarm Recording	YES - User Programmable pre and post alarm
Motion Detection	22 x 15 Zones per Camera
Playback Control	x1, x2, x4, x8, x16, x32, x64
PTZ Control	YES - Via RS485 / 422 Serial Port (M12)
Preset Touring	YES (If head supports)
POS / ATM Support	1 + 2 (Optional)
Multi-Language, 3G Communication, S Mobile	YES - (Windows 6.1 or higher) / Android / Blackberry / iPhone *3G partial VPN support
Primary Storage	eSATA HDD (>2TB)
Clip Copy Storage	Built-in Internal DVD-RW, Memory Stick, CF Card supported
Dimensions (W x H x D)	540mm x 120mm x 250mm

Integrated Power Distribution Unit

	Function		Balanced Wide Ranged Supply	
Input Power			20-30VDC	60 Watts
Max Output Current			7A	± 5%
Output Power				
	DVR	Out 1	12V	± 5%
	Camera	Out 2	12V	± 5%
	Camera	Out 3	12V	± 5%

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Integrated Power Distribution Unit....continued

	Function		Protected Device	
Output Power	Camera	Out 4	12V	± 5%
	Camera	Out 5	12V	± 5%
	Camera	Out 6	12V	± 5%
	Camera	Out 7	12V	± 5%
	Camera	Out 8	12V	± 5%
	Camera	Out 9	12V	± 5%
Output Current				
	DVR	Out 1	2,5A	± 5%
	Camera	Out 2	0,2A	± 5%
	Camera	Out 3	0,2A	± 5%
	Camera	Out 4	0,2A	± 5%
	Camera	Out 5	0,2A	± 5%
	Camera	Out 6	0,2A	± 5%
	Camera	Out 7	0,2A	± 5%
	Camera	Out 8	0,2A	± 5%
	Camera	Out 9	0,2A	± 5%
Spike / Load Dump Protection	Input		Yes	33VDC Limiter
Short Circuit Proof	Output		Yes	
Negative Input Power Proof	Input		Yes	
Fuse Type	Output		Resettable PTCs	
LED Indication	Version / S		No	
	Version / L		Yes	Power Health / DVR Health / HDD Health / Camera Health
Delayed Start Up			Yes	
Delayed Turn Off			Yes	