



Product Datasheet

Part Code: VNVR-RP

Vidistor IP66 Extreme HD-NVR

Realtime Network Video Recorder

Key Features

- ESATA Removable HDD instant back-up option
- H.264 HP video compression standard
- ONVIF 2.0 and 2.2 Standard compliant
- Records up to 36 IP cameras
- Supports record resolutions up to 5MP (dependant on config)
- Delivers 15 X Digital Zoom - Live and Playback
- Supports USB and FLASH storage as back-up additional options
- Supports remote video management and system configuration via 3G and WLAN
- Supports remote system health and pro-active diagnostics
- Supports automated back-up of video to Cloud or local FTP servers
- Built-in DC rail / automotive specification power supply 10 ~ 28 VDC
- Built-in spike / over-voltage and reverse polarity protection with self-healing PET's.
- Waterproof IP66 construction for Rail and Marine fleets
- Extreme Temperature range (-40 ~ +75°C)
- Bespoke internal Climate Control
- Customisable Mil and rail Spec connector panel
- Extreme vibration and temperature certified



Specifications

System	O.S.	Embedded Linux operating system
	Image Code Control	Image code quality adjustable, variable bitstream and constant bitstream optional
	Dual Stream	Each channel can set main stream and sub stream
	Video Standard	1080P(1920/1080)30fps / 960P(1280/960)/720P(1280/720)30fps
	Monitoring Image Quality	1080P(1920/1080) / 960P(1280/960)/ 720P(1280/720)
	Image Motion Detection	Each screen can set mutiple detection areas and set 6-level sensitivity (IPC Support) sensitivity (IPC Support)
	Recording Playback Quality	Any 4ch 1080P/960/720P playback simultaneously



Product Datasheet

Part Code: 10-150-001-36

Vidistor IP66 Extreme **HD-NVR**

Specifications....continued

System...continued	Region Cover	Every channel can set 4 cover regions(IPC Support)
	Recording Mode	Support manual , auto, dynamic detection, alarm trigger record mode record mode
	Backup Way	Support U disk, USB mobile HDD, USB DVD-RW network storage and backup (Partly needs IPC Support) network storage and backup (Partly needs IPC Support)
	Operation Way	2U A/B/C type for Mouse, remote control, front panel, keyboard controller;2U L type only for Mouse
	Local Login	User name and password
	Recording Storage	Local HDD, network
External Ports	Video Input	Up to 36 IP cameras @ (1280 x 720P or 1280 x 960P)
		Up to 25 IP cameras @ (1920 x 1080)
		Up to 8ch 3M IP camera
		Up to 4ch 5M IP camera
	Audio Input	36/25ch network audio input
	Video Output	1ch VGA+1ch HDMI
	Audio Output	1ch BNC auxiliary output
	Output	1ch BNC auxiliary output
	Network Port	1 RJ45,10M/100M/1000M self-adaptive LAN port
	RS485 Port	Full duplex standard 485 port protocols
	USB Port	3 USB 2.0 ports (one on front panel, two on rear panel)
	Alarm Input	16 Ch
	Alarm Output	4 Ch
	Wireless Port	3G & WIFI
HDD	HDD Port	9 SATA+1 E-SATA HDD ports
	Max capacity	Unlimited for every port
Mobile Surveillance	Supports (iPhone, Windows Mobile, BlackBerry, Symbian smart phone and Android smart phone)	
Mobile NVR	36 cameras @ 960P or 20 cameras @1080P (ONVIF 2.0 compliant)	
	2TB HDD with built-in Railway / Automotive grade PSU / PDU	



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Part Code: 10-150-001-36

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Specifications

Mobile NVR	M12 Ethernet connector, Coded power connectors.	
	10-30VDC input / 12VDC output max 7A.	
Power Supply	ATX110-220V 300W 50-60Hz	
Power Consumption	30W without HDD	
Working Temperature	-40 ~ +75°C	
Working Humidity	10% - 90%	
Certifications	EN-50121(EMC / interference and emissions),	
	EN50155 (Full Environmental Compliance) ,	
	EN61373 (Extended Shock & Vibration)	
	EC95/54, 2004/108/EC.	
Dimension	W x H x D - 380mm x 145mm x 195mm	
Weight (without HDD)	2U A/B/C type N.W. 6.5Kg With packing 9Kg	
	2U L type N.W. 7.4Kg With packing 9.8Kg	

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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Part Code: 10-150-001-36

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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	