



DATASHEET

DVR PENTABRID 8CH AHD 1080N
(16CH IP 2MP) 2 x SATA,CLOUD,LIGHT

MODEL: VS-XHVR8L-164

FEATURES

- Video Input: AHD, HD-CVI, HD-TVI: Max 8CH@15fps / IP: Max 16CH@30fps / CVBS: Max 8CH@30fps
- Video Output: 1xHDMI/1xVGA /1xCVBS
- Audio Input/Output: RCA 4CH In/ 1CH Out
- Alarm Input/Output: Alarm 4CH In/ 1CH Out
- Compression Method: H.264
- Analog HD resolution: 1080N/720P, PAL every channel 1fps-15fps adjustable;
NTSC every channel 1fps-15fps adjustable
- CVBS resolution: 960H, PAL every channel 1fps-25fps adjustable; NTSC every channel 1fps-30fps adjustable
- IP resolution: MAX 5MP (Total incoming bandwidth $\leq 50M$), PAL every channel 1fps-25fps adjustable;
NTSC every channel 1fps-30fps adjustable
- Preview resolution: 1080P/720P
- Playback: Support single channel/four channels mode
- Hexaplex operation simultaneously: Live, Recording, Playback, Network Operating, control & backup
- Static, Dynamic IP and DDNS, iSentinel Cloud
- 1xRS422, 2 × USB, 1xRJ45(10M/100M/1000M adaptive Ethernet interface)
- 2 SATA Hard Disk interface (2.5"/3.5" SATA, Up to 12TB)
- Backup: USB2.0 (such as U disk, USB drive) and Network
- Color: Black
- Power consumption: DC 12V $\leq 10W$ (Without Hard Disk)
- Dimensions (L×W×H): 354 x 280 x 50 (mm)
- Weight: 3.5kg



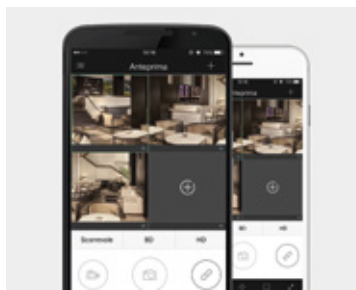
iSentinel Cloud by Mach Power®

With iSentinel Cloud you can configure and manage quickly, simply and safely your devices. You can view your NVR remotely either from Smartphone, PC or tablet without DDNS and port forwarding.



iSentinel VMS by Mach Power®

iSentinel VMS is an advanced free management software which allows the complete management of the system of surveillance over a PC or Notebook. Compatible with Windows and Mac.



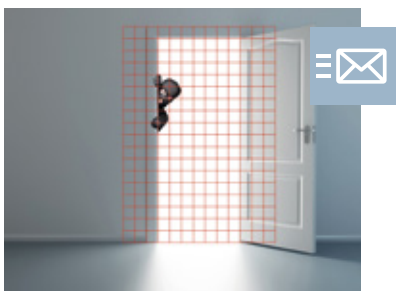
iSentinel App by Mach Power®

For system of video surveillance viewing even on your smartphone or tablet download the **free app** from the Apple Store and Play Store.



iSentinel Web Interface

By accessing the portal www.isentinel.eu, you can view remotely the system of video surveillance from any PC.



Motion Detection and mail alert

Activating the motion detection, the device will be able to detect an intrusion within the selected area and if activated the e-mail sending function, the device will send an email notification.



HDMI, BNC & VGA Video Output

The device has three different video outputs HDMI, BNC and VGA will be possible to connect 3 monitors at once. The HDMI and VGA outputs allow viewing of all in FULL HD channels.



Easy Backup

Extrapolate the record from the DVR is easy and fast, connect a Pen Drive or an external HARD DISK, the USB port of the device.



Dual Stream Encoding

Function that allow the device to issue two different streaming resolutions. Useful for viewing remotely.



SPECIFICATION

System	
Main Processor	HI3520DV300
Operating System	Embedded LINUX
Video	
Input	Anolog: 8x1080N
	Anolog + Network: 6 x Anolog(1080N) + 2 x network(Max 5MP),
	4 x Anolog(1080N)+4 x network(Max 5MP), 2 x Anolog(1080N)
	+6 x network(Max 5MP)
	Network: 16 x network (Max 5MP) (Total incoming bandwidth ≤50M)
Input	8CH BNC
Signal Type	Anolog/AHD/CVI/TVI 2.0/Network
Output	1HDMI,1 VGA, 1CVBS
Audio	
Input	4 Channel, RCA
Two-way Audio	NO
Output	1 Channel, RCA
Alarm	
Sensor Input	4 Channel
Output	1 Channel
Motion Detection	8 Channel (max 16 Channel in pure network mode)
Trigger Events	Recording, Email, Screen tips, Buzzer
Email Alarm	Send Image to The Designated E-mail
PTZ	
Interface	RS485
Protocol	Pelco-D, Pelco-P
Baud Rate	110~921600
Address	0~255
Display	
VGA	Resolution: 1024×768, 1280×720, 1280×1024, 1920×1080
HDMI	Resolution: 1024×768, 1280×720, 1280×1024, 1920×1080
Display Split	9 Channel / 4 Channel / 1Channel

Privacy Masking	1 Rectangular Zones (Each camera)
OSD	Camera title, Time, Video loss, Alarm, Motion detection, Recording
Recording	
Video Compression	H.264
Audio Compression	G711A
Resolution	Haft 1080P (960x1080), 720P (1280x720), 960H (P:960 x 576 / N: 960 x 480)
Video Quality	worst / worse / ordinary / well / best
Record Rate	Haft 1080P (960x1080 4 x 25fps)
	720P (1280x720 4 x 25fps)
	960H (P:960 x 576 4 x 25fps / N: 960 x 480 4 x 30fps)
Record Mode	Manual / Timer / Motion Detection / Alarm
Playback & Backup	
Sync Playback	Pure Analog: 1CH 1080N @25fps
	Mixture mode: 1CH 1080N @25fps
	Pure Network: 1CH 1080N @30fps
Remote Playback	4 Channel / 1 Channel
Search Mode	ALL, Channel, Manual, Time, Date, Motion Detection
Playback Functions	Play, Pause, Stop, Fast play, Rewind
Smart Phone Playback	1 Channel
Backup Mode	USB Device/Network
Network	
Interface	1 RJ45 10M/100M/1000M Adaptive Ethernet Interface
Network Functions	HTTP, IPv4,IPv6, TCP/IP, SMTP, DHCP, DNS, PPPOE, DDNS, NTP, FTP, UPNP
DDNS	Dyndns, changeip, no-ip, Oray, A-PRESS, MYQSEE, SKDDNS, Smart-Eyes
Web Browser	IE8-11, Google Chrome (IE Tab), Firefox (IE Tab)
CMS Software	Support Windows XP /Windows Vista/Windows 7/Windows 8
Extra Stream	D1/CIF(1~25fps)
Smart Phone	iPhone, ipad, Android ,Android pad
Hard Disk Driver	
Interface Type	2 SATA Interface
Capacity	2.5"/3.5" SATA, Up to 12TB

General	
Language	Multilanguage
UTC Control	Support AHD Signal
USB Interface	2 USB 2.0 Interfaces
Power consumption	DC 12V ≤10W
Working Environment	-10~55°C/10~90%
Dimension (W×D×H)	354 x 263 x 50(mm)
Weight	3.5kg (Without HDD)