16ch 1080P 8Bay Harddisk Smart HD NVR Specification

Features

- Embedded Linux operation system, Hisilicon Hi3535 SoC chipset, 1G DDR3
- Up to 16 channel 1080P IP camera input, total audio & video bandwidth 96M
- Supports up to 6 megapixels resolution IP camera
- Intelligent video analysis (IVS): 1ch Face Detection or 2ch Perimeter Protection analysis;
- Support TV, VGA, HDMI sync output; HDMI and VGA video output resolution up to 1920 × 1080
- Support up to 16 channels of simultaneous playback
- Support P2P connection and mobile phone remote viewing
- The mouse can realize three-dimensional intelligent positioning function
- Support monitoring and playback digital zoom in / out (ePTZ)
- Support time line scroll playback
- Support 8 SATA hard disk interfaces, 1 ESATA interface
- Support RAID0/1 redundancy backup record
- Support FTP record video uploading (NAS)
- Support NTP (network time), SADP (IP automatic search), Email (mail service), UPNP (Universal Plug and Play)
- Support Sysvideo, Panasonic, Sony, Hikvision, Dahua, ONVIF IP camera, RTSP video stream
- One-step auto configuration, IP camera plug and play
- ONVIF 2.4, support IP camera batch searching and adding, support ONVIF motion detection alarm and recording, PTZ control
- Support HDD Low Space, HDD Not Exist, HDD Error, Network Disconnection, IP Address Conflict, Video Channel Disconnect, etc abnormity alarm
- Support IP address filter, support NO-IP, Dyndns DDNS; Multicast, QoS, Reverse Link.
- Support video watermark
- Support auto maintenance, never crash
- Support USB backup video to standard AVI file
- Dual Gigabit RJ45 Ethernet
- Alarm, audio, RS485, RS232, HDMI, VGI, CVBS interface
- Free, strong NVR central management software (CMS)
- Support Google, Dropbox, Baidu cloud storage

Specification

Model	SN7816F
System — Chips	Hi3535
Memory	1G DDR3
Operation System	Embedded LINUX
Pentaplex function	Live monitoring, recording, playback, backup & remote access
Control Mode	Front panel, USB mouse, IR remote control, Network
Video — IP Camera Input	16ch.1080P@30fps(6Mbps)
Support Protocol	ONVIF Core Spec 2.4
Standard	PAL (625line, 50f/s) NTSC (525line, 60f/s)
Output	1 CVBS, BNC (1.0Vp-p,75 ohms)
	1 SPOT,BNC (1.0Vp-p,75ohms)
	1 HDMI, 1.3a,support 1920×1080 Resolution
Intelligent Video Analysis	1ch Face Detection or 2ch perimeter protection analysis;
Audio	1 VGA,1920×1080,1440×900,1280×1024,1024×768,800×600 Resolution
Input	1 ch. BNC
Output	1 BNC (3.3Vp-p,4.7k ohms)
Display — Bidirectional Talk	1ch. Standalone
Resolution	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Frame	1~30fps
Tour Display	Support
Recording — Privacy Masking	Four zones for privacy masking for each channel
Video Compression	H.264/MPEG 4 AVC,up to Main Profile 5.0
Audio Compression	G.711A
Image Encoding	Adjustable encoding quality, variable code stream/fixed code stream
Dual Stream	Support
Resolution(NVR)	D1,720P,1080P realtime
Video Detection &Alarm — Recording Mode	Manual, auto, motion detection, stop
Time bar	Support
Trigger Events	Recording, PTZ, Tour,Email
Motion Detection	396 (22×18) detection zone, variable sensitivity levels
Capture	JPEG capture
Alarm Input	16ch.
Alarm Output	4ch.NO,NC
Playback &Backup Network — Max Playback	1/2/4/9/16ch.
Backup Mode	USB,HDD,Network Backup
Ethernet	2 RJ-45 port (10M/100/1000M)
Network protocol	TCP/IP, UDP, HTTP, RTP/RTSP
Network Functions	DHCP, PPPOE, DDNS,SMTP,SNTP,FTP,UPnP
Remote Operation	Monitoring,PTZ control,playback,system setting,file download,log information
Smart Phone	iPhone,iPad,Android,Symbian,Blackberry,Windows Mobile

Hard Disk	Hard Disk	8 SATA,1 ESATA ports
	HDD Management	Hard disk hibernation technology, HDD faulty alarm&raid
Auxiliary Interface	USB Interface	2 USB 2.0 ports
	RS232	Support
	RS485	Standard 485, half duplex,PTZ control
Environment	Power Supply	220±10% 47-63Hz
	Power Consumption	10W (without HDD)
	Working Environment	-10℃~＋55℃ / 10%－90%RH
	Dimension(W*D*H)	2U, 445x440x89 (mm)
	Weight	7.5Kg (without HDD)
	Installation	Shelf/Desk type