16 Ch DVR Real-Time
D1 / 2CIF / CIF / HDMI / 1 SATA

OVERVIEW
◆ Full 16 ch @ DVD Quality (7.5fps) D1(4CIF) in H.264
◆ 16 cameras with True High Definition realtime preview
◆ HDMI / VGA / TV simultaneous video output
◆ Free DNS Server works with all internet providers
◆ Backs up to the "Cloud" for offsite video storage
◆ Support 2 SATA HDDs up to 2TB, 2 USB2.0
◆ Includes: 1,000 GB Drive, Mouse and Hand remote control

Our HAWK class digital video recorders go well beyond the regular standalone DVR equipment. The features you really need with high tech quality, while maintaining a low price.
KEY FEATURES

HAWK 16CH DVR FEATURES:
- Resolution D1/4CIF / HD1 / 2CIF / CIF / QCIF
- Dual-stream video compression (Great for Mobile View)
- Time Date Stamp
- Adjustable Bit rate 48-4096Kb/s
- Recording Modes: Manual, Schedule
- (Continuous, Motion Detection, Alarm), Stop
- 16 BNC Inputs 525TVL, 60fps
- Digital Watermark video> required by courts for video to be allowed as evidence
- Embedded Linux > For stable, reliable operation & no Viruses. Image Quality six levels setting in either VBR (Variable Bit Rate)or CBR (Constant Bit Rate)
- 5 functions: live, recording, playback, backup & remote access

EMAIL NOTIFICATION:
- Email Notification is triggered for motion events and alarms

FREE DNS SERVER:
- Server hosted in the USA and supported by ClearView no need to go to a third party hosting

CLOUD:
- Can remote backup to the cloud for off site backup in case of theft Advanced Cloud player at no additional cost.

BACK UP:
- Back up with mutable options USB, FTP or external hard drive

DISPLAY:
- 1920x1080, 1280x1024, 1280x720, 1024x768 Resolution
- 1/4 / 8 / 9 / 16 screen split views to choose from
- Privacy masking 4 self-defined four-sided zones for privacy masking for each camera

AUDIO:
- BNC (200-2800mV, 30Ku (1) RCA Output, (1) RCA Input Two-way Talk
- Two way audio between DVR and remote view station

PLAYBACK:
- All channel synchronous realtime playback, GRID interface & smart search
- 4 rectangle privacy mask zones per camera
- On Screen Display of Camera Title, Time, Video Loss, Camera Lock, Motion Detection, Recording
- Smart Search> Look for missing items without searching entire video record

NETWORK:
- Ethernet: RJ-45 port (10/100M/1000M)
- Network Functions: TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server
- Remote Operations: Monitor, PTZ control, Playback, System setting, File download, Log information
- Bandwidth control> insures your network wont crash or run slow

INTERFACE:
- 3D intelligent positioning with our PTZ dome camera
- 2 USB Ports, 1 RS232 Port, 1 RS485 PTZ Control Port
- 4 Alarm Inputs
- 3 Channel Relay Outputs (not Powered)
- Multiple network monitoring: Web viewer, CMS & Smart Phone App
SPECIFICATIONS

**DVR SPECS:**

**SYSTEM**
- Main Processor: Embedded processor
- Operating System: Embedded LINUX

**VIDEO**
- Input: 8 channel, BNC
- Standard: NTSC(525Line, 60f/s), PAL(625Line, 50f/s)

**AUDIO**
- Input: 1 channel, RCA
- Output: 1 channel, RCA
- Two-way Talk: 1 channel Input, 1 channel Output, BNC

**DISPLAY**
- Interface: 1 HDMI, 1 VGA, 1 TV, BNC(1.0Vp-p, 750ohms)
- Resolution: 1280 x 720, 1024 x 768, 800 x 600
- Display Split: 1 / 4 / 8 / 9
- Privacy Masking: 4 rectangular zones (each camera)
- OSD: Camera title, Time, Video loss, Camera lock, Motion detection, Recording

**RECORDING**
- Video/Audio Compression: H.264 / G.711
- Image Resolution: D1/4CIF(704x576 / 704x480) / HD(1352x720 / 1352x576)
- Record Rate Main Stream: 2ch @ D1 + 6ch @ CIF (1-25/30fps)
- Record Rate Extra Stream: QCIF(1-25/30fps)
- Bit Rate: 48~4096Kbps
- Record Mode: Manual, Schedule[Regular(Continuous), MD], Stop
- Record Interval: 1~120 min [default: 60 min], Pre-record: 1~30 sec, Post-record: 10~300 sec

**VIDEO DETECTION & ALARM**
- Trigger Events: Recording, PTZ, Tour, Video Push, Email, FTP, Spot, Buzzer & Screen tips
- Video Detection: Motion Detection, MD Zones: 396(22x18), Video Loss & Camera Blank

**PLAYBACK & BACKUP**
- Sync Playback: 1 / 4 / 9
- Search Mode: Time/Date, MD & Exact search (accurate to second)
- Playback Functions: Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom
- Backup Mode: USB Device / Network

**NETWORK**
- Ethernet: RJ-45 port (10/100M/1000M)
- Network Functions: HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter
- Max. User Access: 20 users
- Smart Phone: iPhone, iPad, Android, Windows Phone

**STORAGE**
- Internal HDD: 1 SATA ports, up to 2TB

**GENERAL**
- Power Supply: DC12V/3.3A
- Power Consumption: 10W(without HDD)
- Working Environment: -10C ~ +55C / 10~90%RH / 86~106kpa
- Dimension(Wx Dx H): Mini IU, 325mm x 245mm x 45mm
- Weight: 1.5KG (without HDD)