16ch Hawk View 4 Dome & 4 Bullet Camera DVR Kit

OVERVIEW
◆ 4 Dome TD-81 Cameras
◆ 4 Bullet BL-71 Cameras
◆ Up to 8 cameras with 1080p realtime preview
◆ H.264 dual-stream video compression
◆ All channel D1(4CIF)
◆ HDMI / VGA / TV simultaneous video output
◆ All channel synchronous realtime playback, GRID interface & smart search
◆ 3D intelligent positioning with our PTZ dome camera
◆ Support 1 SATA HDD up to 2TB, 2 USB2.0
◆ Multiple network monitoring: Web viewer, CMS & Smart Phone Application
◆ Includes: 1000 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 VIEW 16-4D4B FEATURES:
- Resolution: D1/4CIF / HDT / 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 325TVL, 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 won’t crash or run slow

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

TD-81 DOME CAMERA SPECS:
- 1/3" HDIS High resolution of 600TVL Color
- 3.6mm fixed lens
- 65ft IR Range with Smart IR
- IP66 - Waterproof
- DWDR, Day/Night, AWB, AGC, BLC, DC12V

BL-71 BULLET CAMERA SPECS:
- 1/3" SONY Super HAD CCD II Resolution of 600TVL Color
- 3.6mm fixed lens
- 65ft IR Range with Smart IR
- IP66 - Waterproof
- Privacy Masking, Picture Adjustment
- Day/Night, 2DNR, AWB, AGC, BLC, MD, OSD, DC12V
# SPECIFICATIONS

## DVR SPECS:

**SYSTEM**
- Main Processor: Dual-core embedded processor
- Operating System: Embedded LINUX

**VIDEO**
- Input: 16 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, 75Ohms)
- Resolution: 1920×1080, 1280×1024, 720×1280, 1024×768, 800×600

**OSD**
- Camera Info, Time, Video loss, Camera lock, Motion detection, Recording

**RECORDING**
- Video/Audio Compression: H.264 / G.711
- Resolution: D1/4CIF(704×576/704×480) / CIF(352×288/352×240) / QCIF(176×144/176×120)
- Record Rate Main Stream: D1(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**
- Trigger Events: Recording, PTZ, Tour, Video Push, Email, FTP, Spot, Buzzer & Screen tips
- Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank

**PLAYBACK & BACKUP**
- Sync Playback: 1 / 4 / 9 / 16
- Search Mode: Time/Date, Alarm, 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)
- Network Functions: HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter
- Max. User Access: 20 users
- Smart Phone: iPhone, iPad, Android, Windows Phone

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

**AUSTRALIAN INTERFACE**
- USB Interface: 2 ports (1 Rear), USB2.0
- RS855: PTZ control

**GENERAL**
- Power Supply: DC12V/3.3A
- Power Consumption: 10W(without HDD)
- Working Environment: -10°C~+55°C / 10~90%RH / 85% RH
- Dimension(WxDxH): Mini 1U, 325mm×245mm×45mm
- Weight: 1.5Kg(without HDD)

## TD-81 CAMERA SPECS:

**CAMERA**
- Image Sensor: 1/3" Super HAD CCD II
- Effective Pixels: 720(H) x 480(V)
- Horizontal Resolution: 1/60s / 1/100,000s
- Electronic Shutter: Internal
- S/N Ratio: Min. Illumination 0.1Lux@F1.2(Olux IR LED on) >60dB(AGC Off)
- Video Output: 1Vpp Composite Output (75Ω/BNC)

**CAMERA FEATURES**
- Max. IR LEDS Length: 65ft Smart IR Range
- Day/Night: Auto(Electronic) / Color / B/W
- Backlight Compensation: Auto / DWDR
- White Balance: Auto
- Gain Control: Auto
- Noise Reduction: Auto
- White Point Removal: Auto
- Lens: 3.6mm

**LENS**
- Focal Length: 3.6mm
- Mount Type: M12
- Power Supply: DC12V±10%
- Power Consumption: Max 3W
- Working Environment: -40°C to +60°C / 20%~80%RH
- Ingress Protection: IP66

**GENERAL**
- Power Supply: DC12V±10%
- Power Consumption: Max 2.5W
- Working Environment: -10°C to +60°C / 20%~80%RH
- Dimensions: 69mm × 85mm
- Weight: 250g