Panther HD-AVS Technology DVRs

Our Panther series recorders and cameras enable true 1080P/720P HD video, audio and control signal via standard coaxial cable, allowing reliable long-distance HD transmission at lower cost, using an advanced video transmission technology from IC Realtime known as AVS - what ClearView calls Panther Technology.

Panther is the ideal upgrade from standard video to HD video "crossover" technology because it hits the same price points as standard res video but offers significant advantages:

**EASY UPGRADE FOR PREVIOUS INSTALLED CCTV**
Panther makes possible direct replacement of existing conventional analog security cameras and recorders with Panther series TRUE 1080p HD equipment without changing existing coaxial and low voltage power runs. As long as 12VDC is available at the camera end, you can just swap the cameras and the recorder and have a new HD security system.

**BETTER THAN 960H**
Panther video surveillance is available in the two major industry HD video standards - 1080p (or 1920H) (1920x1080) and 720p (1280H) (1280x720), both with higher horizontal (H) resolution than “960H” systems;

**EXCLUSIVE TECHNOLOGY**
Panther technology features a patented auto signal compensation (ASC) technology, which enables extremely low signal distortion, much better video resolution, longer transmission distances and better anti-interference capability, and avoids the cross talk of CVBS and separates the brightness and hue signal, further enhancing video quality.

**Hybrid Flexibility**
The hybrid technology allows this DVR to be compatible with HD-AVS and Analog connections.

**Smart Control over Coax**
Panther technology transmits multiple-signal (video/audio and dual-way data) over one cable, using video/audio synchronized transmission at the same time, such as PTZ and zoom control, further simplifying the installation.
Panther DVR

System
Main Processor: Embedded processor
Operating System: Embedded LINUX

Video
Input:
Analog: 16 channel, BNC
HDCVI: 1080P/720P HDCVI Camera

Audio
Input:
Analog: 4 channel, RCA
Output:
RCA: 1 channel, RCA
Two-way Talk:
Reuse audio input/output channel

Display
Interface: 1 HDMI, 1 VGA
Resolution: 1920×1080, 1280x1024, 1280×720, 1024x768
Display Split: 1/4/9/16
Privacy Masking: 4 rectangular zones (each camera)
OSD: Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Recording
Compression: H.264/G.711
Main Stream Record: 1080P(1~15fps)/720P/960H/D1 (1~25/30fps)
Extra Stream Record: CIF/QCIF(1~25/30fps), D1
Bit Rate: 96~4096Kb/s
Record Mode: Manual, Schedule(Regular(Continuous), MD), Stop
Record Interval: 1~60 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec

Video Detection & Alarm
Trigger Events: Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips
Video Detection: Motion Detection, MD Zones: 396(22x18), Video Loss & Camera Blank
Alarm Input: 16 channel
Relay Output: 3 channel

Playback & Backup
Sync Playback: 1/4/9/16
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/Internal SATA burner/Network

Network
Ethernet: RJ-45 port (10/100M/1000M)
Network Functions: HTTP, IPv4/Iv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, SNMP, P2P
Max. User Access: 128 users
Smart Phone: iPhone, iPad, Android, Windows Phone

Storage
Internal HDD: 2 SATA ports, up to 8TB

Auxiliary Interface
USB Interface: 2 ports(1 Rear), USB2.0
RS485: 1 port, For PTZ control

General
Power Supply: DC12V/5A
Power Consumption: 15W(without HDD)
Working Environment: -10℃~+55℃ / 10%~90%RH / 86~106kpa
Dimension(WxDxH): 1U, 375mmx285mmx55mm

Access Anywhere

Panther-16HP-Tri

7 YEAR WARRANTY
FREE LIFETIME SUPPORT