

PantherView04HD-4B-Tri

4 Channel Tribrid 1U AVR & 720P AVS Camera Kit



- Embedded processor
- 4 Channel 720P HD Recording
- Four HD1-BL21 720P HD-AVS Cameras
- H.264 video compression
- Support HD AVS/CVBS/IP video inputs
- Supports 2 channels IP camera inputs, each channel up to 1080P
- Support 1SATA HDD up to 4TB (1TB included)

System Overview

Clearview's PantherView04HD-4B-Tri kit utilizes HD AVS technology, an over-coaxial-cable analog HD video transmission standard, allowing long-distance HD transmission at a lower cost to meet the requirements for a complex and large installation. Included in the kit is a Panther04E-Tri and 4x HD1-BL21 720P AVS cameras.

Panther-04E-Tri supports a total combination of 4 channels HD AVS/ CVBS inputs or 2 IP cameras up to 1080P. The display supports 1/4 split local live-view channels, and 1/4 playback channels. The internal storage includes 1 SATA Port, up to 4TB capacity for each disk (1TB Hard Drive Included)

The HD1-BL21 Bullet cameras feature 720P HD resolution over coax, Smart IR Supported IR distance up to 66 feet and IP67 Weather Proof rating.

Functions

Flexible Recording

The AVR offers a variety of configurable recording options and schedule that saves HDD space and active monitoring time. The recorder monitors incoming video and can be programmed to record if motion is detected or if an alarm is triggered. The recorder can also be programmed to record on a schedule or at different intervals. The recording options and schedules can be set for each individual camera or copied to all cameras..

H.264

Like all Clearview and IC Realtime series products, this device utilizes H.264E (Enhanced H.264) compression technology, enabling crisp image viewing with the least bandwidth consumption possible. This unit adopts an embedded system design, as well as a Linux Operating System, resulting in high levels of stability, performance, and most importantly: reliability.

Simplicity

HD-AVS technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. The HD-AVS system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

Protection (IP67, wide voltage)

Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with unstable voltage.

Technical Specification

Panther-04E-Tri

Main Processor	Embedded Processor
Operating System	Embedded LINUX

Video

IP Video Input	2 Channels, each channel up to 5MP (last 2 coax off)
Analog Video Input	4
AVS Resolution	1080P, 720P
CVBS Standard	PAL/NTSC

Audio

Input	1 Channel output, RCA
Output	1 Channel output, RCA
Two-way Talk	Reuse audio in(channel 1)/out, RCA

Display

Interface	1 HDMI ,1 VGA
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Display Split	1/4/8/9
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Recording

Video/Audio Compression	H.264
Image Resolution	1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate	Main stream: 1080P(1~15fps)/ 720P/960H/D1 (1~25/30fps) Sub stream:CIF/QCIF(1~25/30fps)
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 and Screen Tips
Video Detection	Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank
Alarm Input	4/8/16
Relay Output	3

Playback & Backup

Sync Playback	1/4
Search Mode	Time /Date, Alarm, MD and 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, SNMP, P2P
Max. User Access	128 users
Smart Phone	Android, iOS, iPhone

Storage

Internal HDD	1 SATA Port, up to 4TB capacity for each disk (1TB Included)
External HDD	N/A

Auxiliary Interface

USB	2 USB Ports (2 USB 2.0)
RS232	N/A
RS485	1 Port, for PTZ Control

General

Power Supply	DC12V/2A
Power Consumption	10W(without HDD)
Working Environment	-10°C ~+55°C / 10%~90%RH / 86~106kpa
Dimensions (W×D×H)	Mini 1U, 325mm×255mm×55mm
Net Weight	1.5KG (3.3lb)(without HDD)

Certifications

Certifications	CE: EN 55032: 2012+AC:2013 (Class B) EN 55024 : 2010 EN 61000-3-2 : 2014 EN 50130-4: 2011 EN 61000-3-3 : 2013 FCC: Part 15 Subpart B ICES 003 Issue 6 UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07
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Technical Specification

HD1-BL21

Image Sensor	1/3" CMOS
Effective Pixels	1280(H)×720(V), 1MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum Illumination	0.05Lux/F2.0, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 20m (66feet)
IR On/Off Control	Auto / Manual
IR LEDs	12

Lens

Lens Type		Fixed			
Mount Type		Board-in			
Focal Length		3.6mm			
Max. Aperture		F2.0			
Angle of View		H: 72.3° (91.6°/46°)			
Optical Zoom		N/A			
Close Focus Distance		500mm (400mm/1300mm)19.69" (15.75"/51.18")			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6mm	126 ft	50 ft	25 ft	21 ft

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
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Video

Resolution	720P (1280×720)
Frame Rate	25/30fps@720P
Video Output	1-channel BNC high definition video output / CVBS video output (Can switch)
Day/Night	Auto (ICR) / Manual
OSD Menu	Multi-language
BLC Mode	BLC / HLC / DWDR
WDR	DWDR
Gain Control	AGC
Noise Reduction	2D
Smart IR	Auto / Manual

Interface

OSD Menu	Multi-language
Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A

Electrical

Power Supply	12V DC ±25%
Power Consumption	Max 2.8W (12V DC, IR on)

Environmental

Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH* Start up should be done at above -40°C (-40°F)
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH
Ingress Protection & Vandal Resistance	IP67

Construction

Casing	Aluminum
Dimensions	156.3mm×70mm×70mm (6.15"×2.76"×2.76")
Net Weight	0.30kg (0.66lb)
Gross Weight	0.37kg (0.82lb)

Dimensions (mm/in)

