

HYBRID DVR SERIES

16 CHANNEL HYBRID STANDALONE DVR



Model

APOLLO-HYBRID



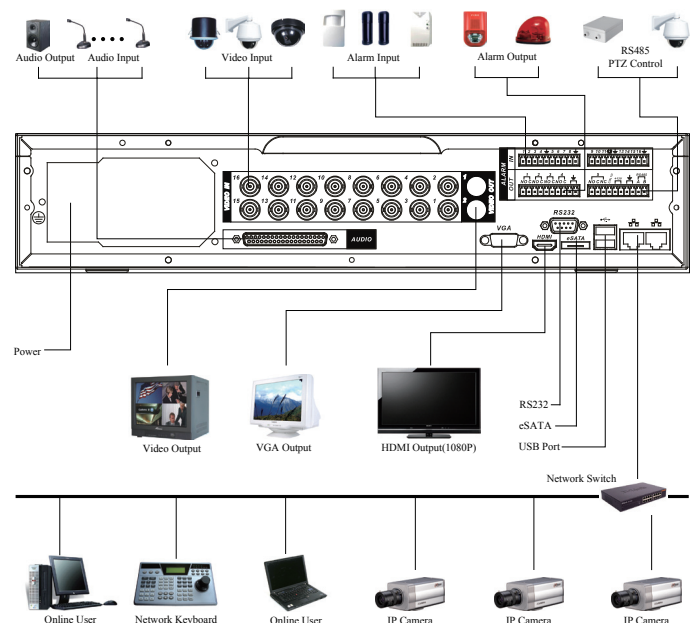
Note:

APOLLO-HYBRID: 16 channel analog video inputs and 8 channel IP inputs. It can support 16 channel D1 realtime recording and 8 channel megapixel IP camera recording.

Features

- > H.264 compression algorithm ideal for standalone Hybrid DVR
- > Realtime live display up to 20 cameras with 1080P high definition, each analog channel with 25 fps recording for D1 realtime recording and IP camera with megapixel recording.
- > Dual encoding streams support, flexible for network transmission
- > Pentaplex function: live, recording, playback, backup & remote access
- > 8 SATA HDDs, eSATA port, USB2.0 & CD-RW/DVD-RW supported
- > Multiple control methods: Front panel, IR remote controller, DAHUA keyboard, USB mouse and network keyboard
- > Smart video detection: motion detection, camera blank, video loss
- > Smart camera settings: privacy masking, camera lock, color setting, and title display
- > Pan Tilt Zoom and Speed Dome Control: more than 60 protocols supported, preset, scan, auto pan, auto tour, pattern, auxiliary function supported. And with Dahua Speed Dome, 3D intelligent positioning function supported
- > Alarm triggering screen tips, buzzer, PTZ preset, e-mail, FTP upload
- > Powerful network software: built-in web server, multi-DVR client & CMS. Networking access for remote live viewing, recording, playback, setting, system status, event log

Connection



Specifications

System																									
Main Processor	High performance embedded microprocessor																								
Operating System	Embedded LINUX																								
System Resources	Pentaplex function: live, recording, playback, backup & remote access																								
User Interface	GUI, on-screen menu tips																								
Control Device	Front panel, USB mouse, DAHUA keyboard, IR remote control, network keyboard																								
Input Method	Numeral/Character/Denotation																								
System Status	HDD status, data stream statistics, log record, bios version, on-line user etc.																								
Video																									
Video Input	16 channel, BNC, 1.0Vp-p, 75 Ω																								
IP Video Input	8 channel, max support 1080I and 720P resolution																								
Video Output	2 channel TV output, BNC, 1.0Vp-p, 75 Ω 1 VGA output, 1 HDMI output																								
Video Standards	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)																								
Video Compression	H.264																								
Video Resolution	<table border="1"> <thead> <tr> <th>Format</th> <th>NTSC</th> <th>PAL</th> </tr> </thead> <tbody> <tr> <td>1080I</td> <td>1920 X 1080</td> <td>1920 X 1080</td> </tr> <tr> <td>720P</td> <td>1280 X 720</td> <td>1280 X 720</td> </tr> <tr> <td>D1(4CIF)</td> <td>704 X 480</td> <td>704 X 576</td> </tr> <tr> <td>HD1</td> <td>352 X 480</td> <td>352 X 576</td> </tr> <tr> <td>2CIF</td> <td>704 X 240</td> <td>704 X 288</td> </tr> <tr> <td>CIF</td> <td>352 X 240</td> <td>352 X 288</td> </tr> <tr> <td>QCIF</td> <td>176 X 120</td> <td>176 X 144</td> </tr> </tbody> </table>	Format	NTSC	PAL	1080I	1920 X 1080	1920 X 1080	720P	1280 X 720	1280 X 720	D1(4CIF)	704 X 480	704 X 576	HD1	352 X 480	352 X 576	2CIF	704 X 240	704 X 288	CIF	352 X 240	352 X 288	QCIF	176 X 120	176 X 144
Format	NTSC	PAL																							
1080I	1920 X 1080	1920 X 1080																							
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HD1	352 X 480	352 X 576																							
2CIF	704 X 240	704 X 288																							
CIF	352 X 240	352 X 288																							
QCIF	176 X 120	176 X 144																							
Video Recording	1080I/720P/D1/HD1/2CIF/CIF/QCIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s Ω Dual encoding streams support;																								
Video Display Split	Full and multiple screen display, 1 / 4 / 8 / 9 / 16 / 20																								
Tour Display	Support																								
Image Quality	1~6 level(level 6 is the best)																								
Privacy Masking	8 self-defined four-sided zones for privacy masking for each camera																								
Camera Lock	Camera locked for users																								
Camera Adjustment	Adjust color according to different time period																								
Video Information	Camera title, time, video loss, camera lock, motion detection, recording																								
TV Output Adjustment	Adjust TV output color & display zone																								
Audio																									
Audio Input	16 channel, BNC, 200-2800mV, 30K Ω																								
Bidirectional Talk Input	1 channel, BNC, 200-2800mV, 30K Ω																								
Audio Output	1 channel, BNC, 200-3000mv, 5K Ω																								
Audio Compression	G.711																								
Video Detection & Alarm																									
Motion Detection	Zones: 396 (22 X 18) detection zones Sensitivity: 1~6 (level 6 is highest) Trigger recording, PTZ movement, tour, alarm																								

Video Loss	Trigger recording, PTZ movement, tour, alarm
Camera Blank	Trigger recording, PTZ movement, tour, alarm
Alarm Input	16 channel, programmable, ground, manual open/closed Trigger recording, PTZ movement, tour, alarm
Relay output	6 channel, 30VDC, 1A, NO/NC, form-C
Hard Disk	
Hard Disk	8 SATA port, 1 eSATA port
Space Occupation	Audio: 14.4MB/H Video: 56~500MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid(Redundancy)
Record, Playback & Backup	
Recording Mode	Manual, continuous, video detection (including motion detection, camera blank, video loss), Alarm
Recording Priority	Manual > Alarm > Video Detection > Continuous
Recording Interval	1 to 120 minutes (default: 60 minutes), Pre-record up to 30 seconds, Post-record up to 5 minutes
Overwrite Mode	Support
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to second)
Playback	16 channel playback simultaneously for analog inputs, 4 channel playback simultaneously for IP inputs, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection
Digital Zoom	Selected zone can zoom into full screen during playback
Backup Mode	Flash disk/ USB HDD/ USB CD/DVD-RW/ Network download
Network	
Interface	2 RJ-45 Port (10/100/1000M)
Network Functions	TCP/IP, PPPOE, DDNS, FTP, IP Filter,
Remote operation	Monitor, PTZ control, playback, system setting, file download, log information
Auxiliary Interface	
USB Interface	4 ports, for mouse control & backup
RS232	DAHUA keyboard, PC communication
Rs485	PTZ control
Environmental	
Power Supply	220V 50Hz / 110V 60Hz
Power consumption	40W
Working Temperature	-10℃~+55℃
Working Humidity	10%~90%
Atmosphere Pressure	86kpa~106kpa
Dimension	2U, 440mmx460mmx89mm (W*D*H)
Weight	7.0KG(without HDD)
Mounting	Desktop or rack

Design and specifications are subject to change without notice.