

High Definition Digital Video Recorder

HDVR1600/HDVR1610

Seamlessly upgrade your DVR to Full HD without pain



Main Features:

- 16 Channel Full HD 1080P Standalone real time recorder
- H.264 Compression
- No need to replace existing coaxial cables
- Installation range up to 500M+ without repeater
- Only one coaxial cable is able to connect multiple cameras
- Support multiple deployment as Multiplex Network, Star and Bus

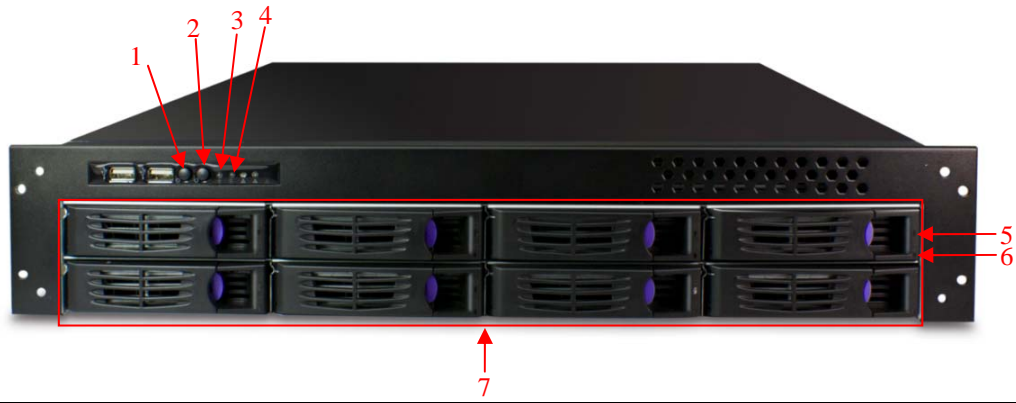
Product Overview

Optimum ccHDtv 16CH DVR recorder is powered by newest 64-bit embedded Linux and Intel® GPU H/W decoding technologies with superior stability and performance. It can support most of today's off-the shelf ccHDtv cameras for up to 16CH video recording and let you access your recordings quickly and reliably. With this system, customers can rapid deploy their ccHDtv surveillance application with optimum surveillance and operating efficiency and delivers a better security and stability than the counter-part Windows® powered system.

Key Features

- Enhanced 64-bit Linux OS, well-protection against viruses and hackers
- Intel® GPU 480FPS@1080P hardware H.264 decoding
- Max. 16CH ccHDtv cameras recording (support 720P and 1080P ccHDtv camera)
- Optical and digital PTZ for live view and playback
- Dual streaming for recording and local/remote/mobile live view
- Windows, WEB, CMS and iOS/Android clients supported

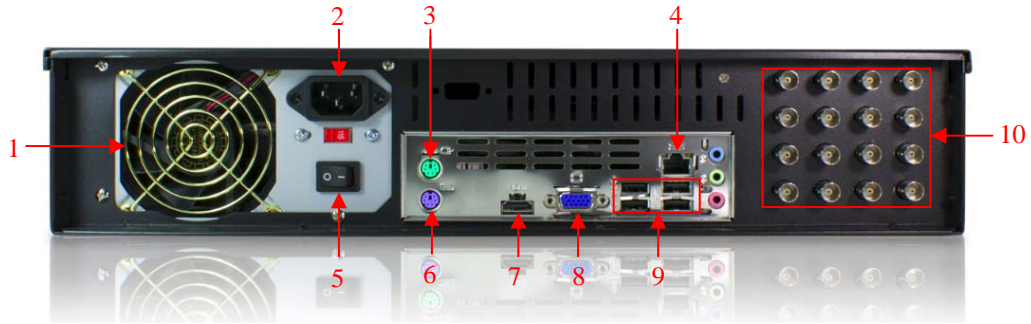
Front View



1	Power Button	2	Reset Button	3	System Power LED Indicator	4	Hard Disk Status Indicator
5	Single HDD Power Indicator	6	Single HDD Status Indicator	7	Hard Disk Mobile Racks		

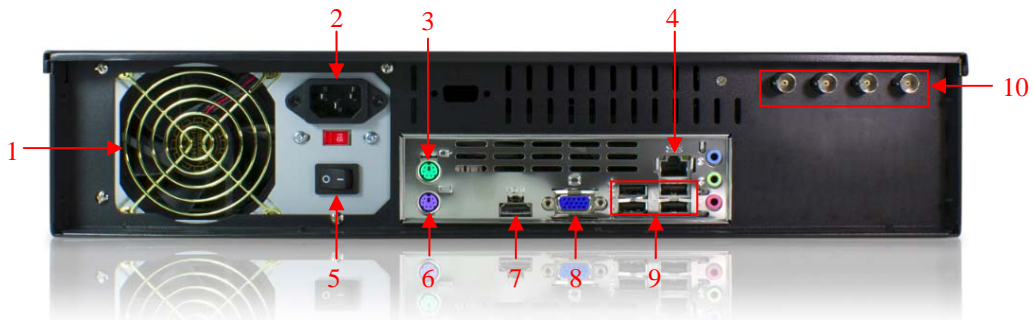
Rear View

HDVR1600



1	System Cooling Fan	2	Power Jack	3	PS Mouse	4	Gigabit LAN Port	5	Power Switch
6	PS Keyboard	7	HDMI Output	8	VGA Output	9	USB 2.0	10	BNC Connectors

HDVR1610



Product Specifications

System	
Main Board Processor	Intel 1037U
Memory	DDR3 4GB
Operation System	Embedded LINUX
System Resources	Live views, recording and playback
Control Mode	USB Mouse / USB Keyboard
Video	
Input	16 Channel, 16 BNC
Standard	1080p @ 30fps per channel
Output	1 HDMI
Audio	
Format	G711 / G726 / PCM
Output	Through TV Speaker
Display	
Display Split	1/4/8/12/16
Display Resolution	1920 * 1080
Display Speed	Max 16CH 480FPS @ 1080P Real-time Monitoring
Display Control	Video snapshot, optical PTZ/digital PTZ control and audio control
Screen Rotation	1, 2X2, 3X3, 4X4, 5X5, 6X6, 7X7, 8X8 1+2, 1+3, 1+5, 1+7, 1+12
OSD	Camera title, date, time, video loss, motion detection* and recording
Recording	
Video / Audio Compression	H.264 / G711, G726, PCM
Image Resolution	1920 X 1080
Encoding Speed	Max 16CH 480FPS @ 1080p
Bit Rate	Full Screen: 6~7M
Recording Mode	Continuous/Event/Schedules
Recording Priority	Manual > Event > Schedule
Local Playback	
Playback Speed	Max 16CH playback
Playback Mode	1, 2X2, 3X3, 4X4 view mode
Search Mode	By timeline, motion and event
Playback Control	Play, pause, reverse play, previous frame/next frame, speed control(1, 2,4, 8, 16), video snapshot, digital zoom and audio control
Export	Convert recording video to AVI, ASF or MKV format and export to USB storage

Remote Live View	
View Mode	1, 2X2, 3X3, 4X4 and sequential display
OSD Information	Camera name, date/time, record/event status
Video Control	Full screen display, original video aspect ratio, video snapshot, optical PTZ/digital PTZ control and audio control
Event Control	Event List, Digital Input status and digital output control
Security	
Authority Management	Four-level privilege, different user rights can be assigned to different users
Event Log	Supported
User Logs	Supported
Disk Management	
Hard Disk	8 SATA Hard Disk
Disk Maintenance	S.M.A.R.T. Self Monitoring Analysis and Reporting Technology
HDD Mode	Individual (Non-RAID)
Network	
Protocol	HTTP, DHCP, Static IP, DNS, PPPoE, DDNS, FTP, NTP, RDATE, SSH, UPnP and SMTP
Bandwidth Control	Supported
Environmental	
Power Supply	300W
Power Consumption	
Operating Temperature	5° C ~ 40° C / 41° F ~ 104° F
Operating Humidity	0% ~ 90%
Dimension	434.20(W) * 480(D) * 88.80(H) mm
Weight	
Certifications	CE, FCC, RoHS
Utility	
Setup Wizard	DVR setup wizard (discovery DVR, DVR network setting)
Others	Windows client, WEB client, CMS client, iPhone/iPad client and Android client

Note 1:

Specification mentioned above with "*" is still under development

Note 2:

Products specifications are subject to change without notification