CP-1604HL-U



16 channel 1U Standalone DVR



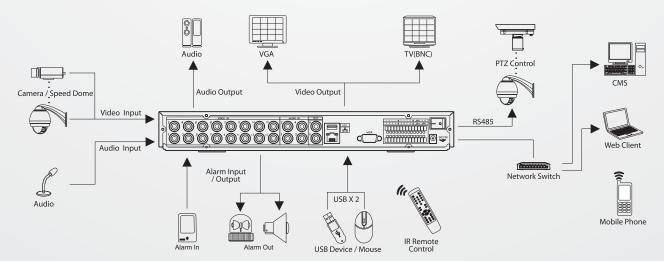
Main Features

- 16 channel 1U standalone DVR
- Up to 16 cameras with SXGA(1280×1024) display
- H.264 video compression algorithm ideal
- Each channel 25/30fps at CIF or 6/7fps at D1 recording
- · Dual encoding streams supported
- TV(BNC)/VGA synchronous video output
- · Live, recording, playback, backup & remote access
- 16 channel simultaneous playback
- Smart video detection: MD, camera blank, video loss
- 3D intelligent positioning with PTZ dome
- Easy backup: USB devices, network download
- Alarm triggering screen tips, buzzer, PTZ, e-mail, FTP upload

- Supports 1 SATA HDD, 2 USB2.0
- · Built-in web server, multi-DVR client, DMSS & CMS



Connection



Processor Operating System Embedded Linux System Resources Destroing System Control Devices Prost page 1, 00, not-screen menu lips Control Devices Front panel, USB Mouse, Control Keyboard, IR Remote control, Network Keyboard Video Input 16 Ch., BNC, 1.0Vp-p, 753, VGA, Max. Res. 1280x1024 Video Input 17 Ch. N. Your BNC, 1.0Vp-p, 753, VGA, Max. Res. 1280x1024 Video Couput 18 Ch., BNC, 1.0Vp-p, 753, VGA, Max. Res. 1280x1024 Video Standard PAL: 625 Lines, 501/s, NITSC 252 Lines, 601/s Compression Video Resolution D14CIF; NITSC/704x480, PAL: 704x576, CIF NITSC/352x240 PAL:352x288, QCIF NITSC/176x120 PAL: 176x144 Video Resolution CIF/QCIF PAL: 1FPS-25FPS, NITSC/1 FPS-30FPS, 4CIF PAL: 1FPS-6FPS, NITSC/1 FPS-7FPS, 1st & 9th Ch. PAL: 176x144 Video Resolution CIF/QCIF PAL: 1FPS-25FPS, NITSC/1 FPS-30FPS, 4CIF PAL: 1FPS-6FPS, NITSC/1 FPS-7FPS, 1st & 9th Ch. PAL: 176x144 Video Resolution CIF/QCIF PAL: 1FPS-25FPS, NITSC/1 FPS-30FPS, 4CIF PAL: 1FPS-6FPS, NITSC/1 FPS-7FPS, 1st & 9th Ch. PAL: 176x144 Video Resolution CIF/QCIF PAL: 1FPS-25FPS, NITSC/1 FPS-30FPS, 4CIF PAL: 1FPS-6FPS, NITSC/1 FPS-7FPS, 1st & 9th Ch. PAL: 176x144 Video Resolution CIF/QCIF PAL: 1FPS-25FPS, NITSC/1 FPS-30FPS, 4CIF PAL: 1FPS-6FPS, NITSC/1 FPS-7FPS, 1st & 9th Ch. PAL: 176x144 Video Resolution CIF PAL: 176x2-25FPS, NITSC/1 FPS-30FPS, 4CIF PAL: 1FPS-6FPS, NITSC/1 FPS-7FPS, 1st & 9th Ch. PAL: 176x2-176	Specifications	CP-1604HL-U
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Audio Output 1 Ch. BNC, 200~280mV, 30K? Motion Detection	Audio Input	4 Ch. BNC, 200~280mV, 30K?
Motion Detection Zones:396 (22*18) detection zones, Sensitivity:1~6 levels (level 6 is highest), Trigger Recording, PTZ movement, tour, alarm, email, matrix output Video Loss Trigger Recording, PTZ movement, tour, alarm, email, matrix output Camera Blank Trigger Recording, PTZ movement, tour, alarm, email, matrix output Alarm Input 16 Ch. Programmable, ground, manual open/closed, Trigger Recording, PTZ movement, tour, alarm, email, matrix output Alarm Output 3 Ch., 30V DC, 1A, NO/NC, form-C Hard Disk 1 SATA Ports, 1 HDD supported, Max 2TB per port HDD Management HDD Hibernation technology, HDD faulty alarm Recording Mode Manual, Continuous, Video Detection (including motion detection, camera blank, video loss), Alarm Recording Priority Manual, Continuous, Video Detection & exact search (accurate to second) Playback Time/date, Alarm, Motion detection & exact search (accurate to second) Playback All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols TCP/IP, UDP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Email, Alarm Server Remote Operations Monitor, PTZ con	Bi-directional Talk Input	1 Ch. BNC, 200~280mV, 30K?
Motion Detection movement, tour, clarm, email, matrix output Video Loss Trigger Recording, PTZ movement, tour, alarm, email, matrix output Camera Blank Trigger Recording, PTZ movement, tour, alarm, email, matrix output Alarm Input Alarm Input Alarm Output 3 Ch., 30V DC, 1A, NO/NC, form-C Hard Disk 1 SATA Ports, 1 HDD supported, Max 2TB per port HDD Management HDD Hibernation technology, HDD faulty alarm Recording Mode Manual, Continuous, Video Detection (including motion detection, camera blank, video loss), Alarm Recording Priority Manual>Alarm>Video detection>Continuous Search Mode Time/date, Alarm, Motion detection & exact search (accurate to second) All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Audio Output	1 Ch. BNC, 200~280mV, 30K?
Note o Loss Trigger Recording, PTZ movement, tour, alarm, email, matrix output Camera Blank Trigger Recording, PTZ movement, tour, alarm, email, matrix output 16 Ch. Programmable, ground, manual open/closed, Trigger Recording, PTZ movement, tour, alarm, email, matrix output Alarm Output 3 Ch., 30V DC, 1A, NO/NC, form-C Hard Disk 1 SATA Ports, 1HDD supported, Max 2TB per port HDD Management HDD Hibernation technology, HDD faulty alarm Recording Mode Manual, Continuous, Video Detection (including motion detection, camera blank, video loss), Alarm Recording Priority Manual>Alarm>Video detection>Continuous Search Mode Time/date, Alarm, Motion detection & exact search (accurate to second) All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection Dogital Zoom Selected zone can zoom into full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports R145 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Motion Detection	Zones:396 (22*18) detection zones, Sensitivity:1~6 levels (level 6 is highest), Trigger Recording, PTZ
Camera Blank Trigger Recording, PTZ movement, tour, alarm, email, matrix output 16 Ch. Programmable, ground, manual open/closed, Trigger Recording, PTZ movement, tour, alarm, email, matrix output Alarm Output 3 Ch., 30V DC, 1A, NO/NC, form-C Hard Disk 1 SATA Ports, 1HDD supported, Max 2TB per port HDD Management HDD Hibernation technology, HDD faulty alarm Recording Mode Manual, Continuous, Video Detection (including motion detection, camera blank, video loss), Alarm Recording Priority Manual>Alarm>Video detection>Continuous Search Mode Time/date, Alarm, Motion detection & exact search (accurate to second) Playback Alarm>Video detection & exact search (accurate to second) All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection Dogital Zoom Selected zone can zoom into full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)		movement, tour, alarm, email, matrix output
Alarm Input 16 Ch. Programmable, ground, manual open/closed, Trigger Recording, PTZ movement, tour, alarm, email, matrix output Alarm Output 3 Ch., 30V DC, 1A, NO/NC, form-C Hard Disk 1 SATA Ports, 1 HDD supported, Max 2TB per port HDD Management HDD Hibernation technology, HDD faulty alarm Recording Mode Manual, Continuous, Video Detection (including motion detection, camera blank, video loss), Alarm Recording Priority Manual>Alarm>Video detection>Continuous Search Mode Time/date, Alarm, Motion detection & exact search (accurate to second) Playback All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection Dogital Zoom Selected zone can zoom into full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Video Loss	Trigger Recording, PTZ movement, tour, alarm, email, matrix output
Alarm Input Alarm Output Alarm Alarm Output Alarm Alarm Output Alarm Alarm Output Alarm Alarm Server Alarm Serve	Camera Blank	Trigger Recording, PTZ movement, tour, alarm, email, matrix output
Hard Disk 1 SATA Ports, 1 HDD supported, Max 2TB per port HDD Management HDD Hibernation technology, HDD faulty alarm Recording Mode Manual, Continuous, Video Detection (including motion detection, camera blank, video loss), Alarm Recording Priority Manual>Alarm>Video detection>Continuous Search Mode Time/date, Alarm, Motion detection & exact search (accurate to second) Playback All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection Dogital Zoom Selected zone can zoom into full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Alarm Input	
HDD Management Recording Mode Manual, Continuous, Video Detection (including motion detection, camera blank, video loss), Alarm Recording Priority Manual>Alarm>Video detection>Continuous Search Mode Time/date, Alarm, Motion detection & exact search (accurate to second) Playback Playback All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection Dogital Zoom Selected zone can zoom into full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Alarm Output	3 Ch., 30V DC, 1 A, NO/NC, form-C
Recording Mode Manual, Continuous, Video Detection (including motion detection, camera blank, video loss), Alarm Recording Priority Manual>Alarm>Video detection>Continuous Search Mode Time/date, Alarm, Motion detection & exact search (accurate to second) All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection Dogital Zoom Selected zone can zoom into full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 1 1 0V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Hard Disk	1 SATA Ports, 1 HDD supported, Max 2TB per port
Recording Priority Manual>Alarm>Video detection>Continuous Search Mode Time/date, Alarm, Motion detection & exact search (accurate to second) All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection Dogital Zoom Selected zone can zoom into full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	HDD Management	HDD Hibernation technology, HDD faulty alarm
Search Mode Time/date, Alarm, Motion detection & exact search (accurate to second) All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection Dogital Zoom Selected zone can zoom into full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Recording Mode	Manual, Continuous, Video Detection (including motion detection, camera blank, video loss), Alarm
All Ch. Simultanious playback, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection Dogital Zoom Selected zone can zoom into full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Recording Priority	Manual>Alarm>Video detection>Continuous
Playback camera, previous camera, full screen, repeat, shuffle, backup selection Selected zone can zoom into full screen during live & playback Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Search Mode	Time/date, Alarm, Motion detection & exact search (accurate to second)
Backup Mode Flash disk, USB HDD, USB CD/DVDRW, network download Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Playback	
Interface Ports RJ45 x 1, USB 2.0 x 2, RS485 x 1 Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Dogital Zoom	Selected zone can zoom into full screen during live & playback
Protocols 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 Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Backup Mode	Flash disk, USB HDD, USB CD/DVDRW, network download
Remote Operations Monitor, PTZ control, playback, system setting, file download, log information Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Interface Ports	RJ45 x 1, USB 2.0 x 2, RS485 x 1
Power Supply 220V 50 Hz / 110V 60Hz Power Consumption 25W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Protocols	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Email, Alarm Server
Power Consumption 25 W Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Remote Operations	Monitor, PTZ control, playback, system setting, file download, log information
Working Temp -10°C~55°C Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Power Supply	220V 50 Hz / 110V 60Hz
Working Humidity 10%~90% Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Power Consumption	25W
Dimensions 1U, 375mmx285mmx45mm (W*D*H)	Working Temp	-10°C~55°C
	Working Humidity	10%~90%
Weight 2.35Kg without HDD	Dimensions	1U, 375mmx285mmx45mm (W*D*H)
	Weight	2.35Kg without HDD