CHE-480HB Series

4/8/16-CH Real-time Standalone DVR

DVR

Model

CHE-480HB-4   4 channel audio/video/matrix model
CHE-480HB-8   8 channel audio/video/matrix model
CHE-480HB-16 16 channel audio/video/matrix model
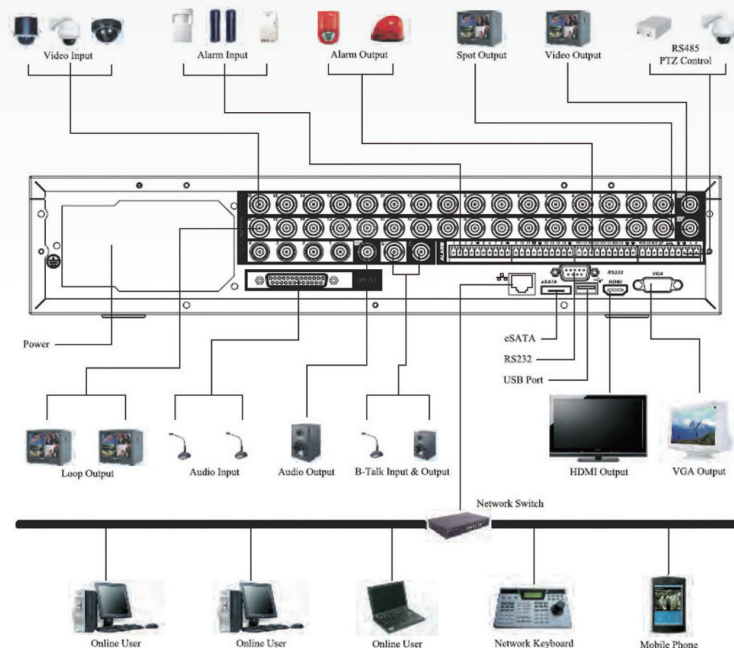
Note

CHE-480HB-4   : Full D1 recording, 4 channel video inputs, 4 channel audio inputs, 4 channel loop outputs and 1 channel matrix output. It can support VGA, HDMI, eSATA and USB2.0.

CHE-480HB-8   : Full D1 recording, 8 channel video inputs, 8 channel audio inputs, 8 channel loop outputs and 1 channel matrix output. It can support VGA, HDMI, eSATA and USB2.0.

CHE-480HB-16 : Full D1 recording, 16 channel video inputs, 16 channel audio inputs, 16 channel loop outputs and 1 channel matrix output. It can support VGA, HDMI, eSATA and USB2.0.

Features

- Full D1 2U standalone DVR with high performance, best for high-end market
- H.264 compression algorithm ideal for standalone DVR
- Realtime live display up to 16 cameras with 720P high definition, 400/480 fps recording for D1
- Dual encoding streams support, flexible for network transmission and mobile phone monitoring
- Pentaplex function: live, recording, playback, backup & remote access
- 8 HDDs supported, eSATA port & CD-RW/DVD-RW supported
- 16 channel simultaneous playback
- Multiple control methods: Front panel, IR remote controller, 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 Speed Dome, 3D intelligent positioning function supported
- Easy backup methods: USB devices, CD-RW/DVD-RW & network download
- Alarm triggering screen tips, buzzer, PTZ preset, e-mail, FTP upload
- Powerful network software: built-in web server, multi-DVR client, MSS(mobile surveillance software for smart phone) & CMS. Networking access for remote live viewing, recording, playback, setting, system status, event log

Connection

Video Input   Alarm Input   Alarm Output   Spot Output   Video Output   RS485 PTZ Control

Power   eSATA   RS232   USB Port

Loop Output   Audio Input   Audio Output   B-Talk Input & Output   HDMI Output   VGA Output

Network Switch

Online User   Online User   Online User   Network Keyboard   Mobile Phone

* Take CHE-480HB-16 for the example

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Specifications

| HDMI | H.264 | 4/8/16 CH DVR | REAL TIME RECORDING | MOTION trigger | REMOTE monitor | USB BACKUP | AUDIO INPUT X IN 4/8/16 | MOBILE PHONE |

Model		CHE-480HB-4 / CHE-480HB-8 / CHE-480HB-16
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, 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	4/8/16 channel, BNC, 1.0Vp-p, 75Ω, looping
	Video Output	1 channel TV output, BNC, 1.0Vp- p, 75Ω, 1 VGA output, 1 HDMI output
	Video Standards	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)
	Video Compression	H.264
	Video Resolution	Format / NTSC / PAL
		D1 / 704 X 480 / 704 X 576
		CIF / 352 X 240 / 352 X 288
		QCIF / 176 X 120 / 176 X 144
	Video Recording	D1/CIF/QCIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s; Dual encoding streams supported;
	Video Display Split	Full and multiple screen display, 1 / 4 / 9 / 16
	Tour Display	Support
	Image Quality	1~6 level (level 6 is the best)
	Privacy Masking	4 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	4/8/16 channel, BNC, 200-2800mV, 30KΩ
	Bidirectional Talk Input	1 channel, BNC, 200-2800mV, 30KΩ
	Audio Output	1 channel, BNC, 200-3000mv, 5KΩ
	Audio Compression	G.711
Video Detection & Alarm	Motion Detection	Zones: 396 (22*18) detection zones
		Sensitivity: 1~6 (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	16/16/16 channel, programmable, ground, manual open/closed
		Trigger recording, PTZ movement, tour, alarm, email, matrix output
	Relay output	6/6/6 channel, 30VDC, 1A, NO/NC, form-C
Hard Disk	Hard Disk	8 SATA ports, 8 HDDs supported, 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, 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/ built-in SATA burner/ Network download
Network	Interface	RJ-45 Port (10/100M)
	Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server
	Remote operation	Monitor, PTZ control, playback, system setting, file download, log information
Auxiliary Interface	USB Interface	2 ports, 1 for mouse control, 1 for backup
	RS232	Keyboard, PC communication
	RS485	PTZ control
Environmental	Power Supply	220V 50Hz / 110V 60Hz
	Power consumption	25W/ 30W/ 40W
	Working Temperature	-10℃~+55℃
	Working Humidity	10%~90%
	Atmosphere Pressure	86kpa~106kpa
	Dimension (mm)	1.5U, 440(W) x 89(H) x 460(D)
	Weight	6.5KG (without HDD)
	Mounting	Desktop or rack