HDcctv H.264 Digital Video Recorders with 1080P HDMI Output
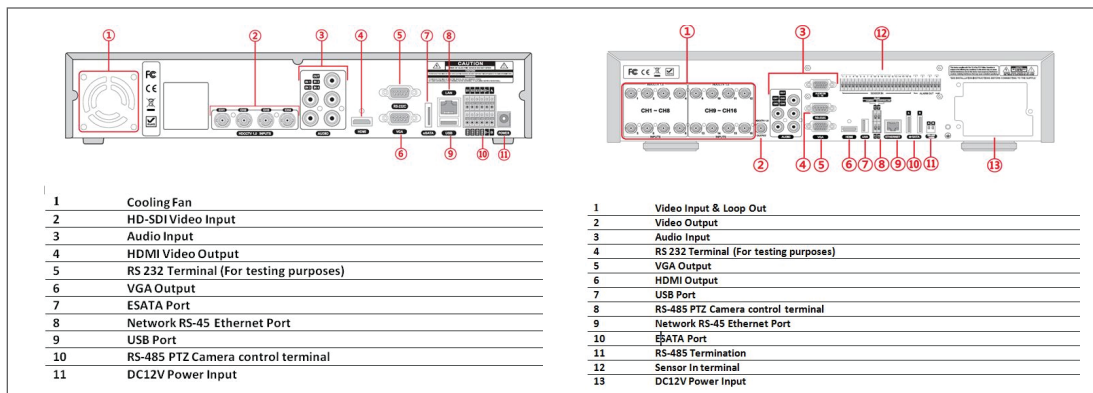- **XHD-04: 4 Channel Video, 48fps @ 1280*720**
- **XHD-08: 8 Channel Video, 120fps @ 1280*720**
- **XHD-16: 16 Channel Video, 192fps @ 1280*720**

Features

- 720P (1280 x 720) Resolution Recording
- H.264 Compression provides smaller file size & lower bandwidth
- 1 080p HDMI output & simultaneous VGA output and Real Time Live View
- QUADPLEX: Allows simultaneous live view or playback while still continuing to record, network transfer, and back up data.
- 4 (16) Audio Input, 1 Audio Output
- 4 /8/16 Sensor Input, 1/2/4 Alarm Output.
- 1 eSata port for expanding Storage.
- 1 RS-485 for Camera Control.
- 2 USB 2.0 port for backup of recorded files, firmware upgrade, configuration export/import, or USB mouse.
- Individual channel operation such as FPS, quality, recording mode, & detection zone
- Network hardware supports 10/100/1000 Mbps.
- Various network access: Network client SW, Web-viewer, Smartphone APP, and Free 256 Channel CMS.
- Remote access via PC, MAC®, or smartphones such as the iPhone®, Android™, and BlackBerry™.
- Recording priority programmable per channel for schedule, alarm, motion, or continuous.
- Free CMS software included for remote playback, local recording, backup, and remote setting.
- Free DDNS server for use with Dynamic IP addresses.
- Dual-stream support for simultaneous access from a PC, MAC, and/or a cell phone at low bandwidth.
- Bandwidth control
- E-mail event notification, along with image file attachment.
- Covert Channel.
- NTP (Network Time Protocol).
- Watermark Verification.
- Synchronized audio for court evidence.
- Time Stamp over backup data for court evidence.
- Easy and various data backup via DVD, USB flash drive, USB external HDD, and network
- HDD S.M.A.R.T status check and alert via e-mail or internal beep.
- USB Mouse, IR Remote Control.
- 2 internal SATA port HDD storage up to 4TB.
- Multi OSD languages.
- Made in Korea

Rear Info

1	Cooling Fan
2	HD-SDI Video Input
3	Audio Input
4	HDMI Video Output
5	RS 232 Terminal (For testing purposes)
6	VGA Output
7	ESATA Port
8	Network RS-45 Ethernet Port
9	USB Port
10	RS-485 PTZ Camera control terminal
11	DC12V Power Input

1	Video Input & Loop Out
2	Video Output
3	Audio Input
4	RS 232 Terminal (For testing purposes)
5	VGA Output
6	HDMI Output
7	USB Port
8	RS-485 PTZ Camera control terminal
9	Network RS-45 Ethernet Port
10	ESATA Port
11	RS-485 Termination
12	Sensor In terminal
13	DC12V Power Input

EXELON TECHNOLOGY

			4CH	8CH	16CH
Video	Input	Channel Input Level	4CH HDcctv	8CH HDcctv	16CH HDcctv
		Video Loss Check	YES		
	Output	Main Monitor Output	1 HDMI (1080P)		
		Sub Monitor Output	1 VGA (1080P)		
		HD-SDI Output	-	-	1
Audio		Input and Output	4CH In / 1CH Out	4CH In / 1CH Out	16CH In / 1CH Out
		Audio Codec	G.711		
Alarm		Sensor Input	4CH	8CH	16CH
		Alarm Out	1CH	2CH	4CH
Record		Compression	H.264		
		Multi Operation	Quadplex (Playback, Recording, Backup, Network)		
		Resolution	1920*1080, 1280*720, 640*360		
		Recoding Quality Grade	5 Levels		
		Recording Mode	Continuous, Schedule, Motion, Sensor, Manual		
		Motion Detection	Setup by Grid		
		Pre Recording	15 Seconds to 20 Minutes		
		Post Recording	10 Seconds to 60 Seconds		
Playback		Multi Decoding	1, 4	1, 4, 8	1, 4, 8, 9, 16
	Playback Speed	Single Channel FF/FR	x0.25, x0.5, x2, x4, x8, x16, x32, x64, x128		
		Multi Channel FF/FR	x0.25, x0.5, x2, x4, x8, x16, x32, x64, x128		
		Search Mode	Timeline, Event, Archive, Log, Specific Time		
Storage	HDD	Interface	Serial ATA		
		Capacity of 1 HDD	2 TB		
		Internal HDD	1 EA (2 EA w/o ODD)	1 EA (2 EA w/o ODD)	2 EA (4 EA w/o ODD)
		S.M.A.R.T	HDD Error Check and Reporting using by Alarm and e-Mail		
		External Storage	1 eSATA		
		File System	Self-developed, Reliable and Stable File System		
	Backup	Format	JPEG, AVI and H.264		
		Media	USB Flash Drive, USB External HDD, Network		
User Interface		Menu Display	GUI (Graphic User Interface)		
		Input Method	Mouse, IR Remote Control		
Serial Port		Console & POS	1 RS-232C (D-sub 9pin)		
		PTZ & Keyboard Control	1 RS-485	1 RS-485	2 RS-485
Network		Dynamic DNS	Free DDNS		
		Streaming	RTP, RTSP		
		Network Interface	RJ-45, 10/100/1000 Base-T		
		Dual Network Streaming	640x360@120fps or 320x180@120fps>		
Network Access		Web viewer (1:1)	Live, Search, Backup, PTZF, Remote Setup, Remote Upgrade		
		3G Mobile Viewer (1:1)	Live, Search, PTZF		
		Client Software (1:1)	Live, Search, Backup, PTZF, Remote Setup, Remote Upgrade		
		CMS (1:N)	Live, Search, Backup, PTZF, Remote Setup, Remote Upgrade		
Features		DLS (Day Light Saving)	YES		
		Internal Beep	By Alarm, Motion, Video Loss, HDD Error		
		Multi Language	Yes		
		Software Upgrade	By USB Flash Drive, Network Remote Upgrade		
		NTP (Network Time Protocol)	YES		
		Digital Zoom	YES		
		Remote Setup	YES		
General		Operation Condition	5℃~40℃ (41°F~104°F), Humidity 20~80%		
		Power	DC 12V 5A		AC 100~120V/200~240V, 50/60Hz, 280W
		Net Weight (Gross Weight)	4.1Kgs (6.2Kgs)		6.8 kg (9.0 kg) / 15.0 lbs (19.8 lbs)
		Unit Dimension (W x D x H)	380mm x 340mm x 72mm		432mm x 430mm x 98mm (17.00" x 16.92 " x 38.58")