

HD-CCTV DVR

Rev 2.0



HDC1601M Full-HD Digital Video Recorder

Key Features

- 16ch HD-SDI Standalone DVR
- Certified by HDcctv Alliance
- Max. 120/100fps Recording & Playback at Full-HD 1080p resolution
- Adjustable recording quality and framerate per each channel
- Supports High-resolutions over 1200TV lines at Live/Playback
- Supports Dual Codec(H.264,JPEG) & Multi Stream (HD, nHD(640x360))
- Full-HD 1920x1080 resolution output via HDMI port
- Various Live and Playback display (1/4/9/10/13/16 Split-screen)
- Robust IPFR (Intelligent Power Failure Recovery) DVR File System
- Max. 2 Internal SATA Type HDDs
- Supports Max. 32TB(e-SATA) external storage interface
- Date/Time, Calendar, Event, Thumbnail, Smart, Text Search available
- At-the-PC Playback of removed DVR HDD
- Lightning arrester on HD-SDI, RS-485, DIO ports
- Provides bundle CMS program, managing Max. 1,024 DVRs in various ways such as E-map, Viewset
- Java Viewer for Chrome, Firefox, Safari
- Supports various mobile platform (iPhone/Android Viewer, Mobile page)
- Provides Full SDK for easy and powerful customization

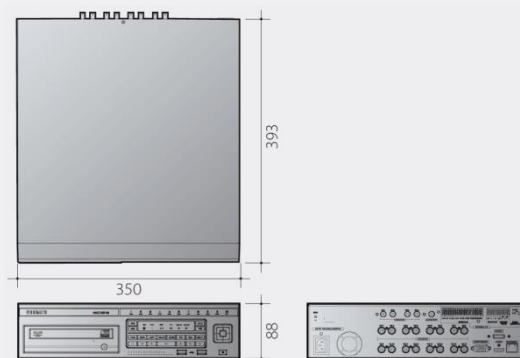
Front



Back



Dimensions (Unit : mm)



Specifications

VIDEO INPUT		NETWORK	
Video input standard	SMPTE 292M (HD-SDI)	Interface	1 Gigabit Ethernet (10/100/1000Mbps)
Resolution / Frame Rate	SMPTE 274M(1080p, 1920x1080) : 25, 30, 29.97 fps Input format auto detection	Type	Static IP, Dynamic IP, xDSL
Connectors	16ch, 75Ω BNC connector	DDNS	WNS, DynDNS, NoIP, WRS
VIDEO OUTPUT		Bandwidth limit	Supported
Video output	HDMI	NTP	Server / Client / Both
	1, 4, 9, 10, 13, 16 split-screen	Users	10 monitoring, 2 playback
	User defined sequence / Alarm pop-up	Streaming	1 HD, H.264 stream, Same as recording setting
	1920 x 1080p via HDMI port		1 additional H.264 stream, nHD(640 x 360) 1 JPEG stream, nHD(640 x 360) for e-mail or mobile
RECORDING		SECURITY	
Compression	H.264 / JPEG	User level	1 admin, 10 users
Resolution	1920 x 1080	User privilege	Menu, PTZ, Relay, Playback, Power, Copy, Network MIC
Rate	120/100fps at 1080p	IP filtering	Supported
Quality	1080p, 10 levels up to 12Mbps	STORAGE & BACKUP	
Mode	Manual & Event / Schedule & Event / Continuous & Event	Storage devices	2 internal SATA HDDs, 1 external eSATA Interface
Schedule	24hrs / 7days	File system	Proprietary file system, Data-loss protection against power-failure
PLAYBACK		Capacity	Max. 32TB with eSATA
Mode	Instant playback / search	Backup type	Multi-channel or Single channel avi file
Speed	Max. 120/100fps at 1080p	Backup device	USB drive (2 ports)
Search type	Time, Calendar, Timeline, Event, Thumbnail, Smart, Text	S.M.A.R.T.	Temperature and Health checking
Block playback	24hours ~ 99days	SEIRAL & I/O	
EVENT & ALARM		Serial port	1 RS-232C, 2 RS-485
Event source	MD(Motion Detection), Sensor, Text, Video Loss	Sensor input	16 Dry-contacts
Event check schedule	24hrs / 7days	Relay output	2 Relays
Event action	Buzzer, Relay, E-mail, FTP, Alarm pop-up	CONTROLLER	
MD area	15 x 10	Device	Front panel, IR remote, Joystick Keyboard, Mouse
Sensor input	Dry contact (NO or NC selectable)	SOFTWARE	
Text input	POS/ATM support, AVE VSI Pro/Hydra support	Web viewer	Monitoring / Event / PTZ / Playback with IE
SYSTEM ALARM		Java viewer	Monitoring / Event/ PTZ with IE, Chrome, Safari
Alarm source	HDD fail, HDD almost full, Password fail, WRS fail	Mobile viewer	Monitoring / PTZ /LogView with iPhone & Android
Alarm action	Warning message, Buzzer, E-mail, Relay	CMS	Control Center Standard, Max. 1024 DVRs
AUDIO		SDK	ActiveX(COM) SDK
Input/output	Input 4ch RCA / output HDMI, RCA	ENVIRONMENTAL & PHYSICAL	
Compression	16KHz, 16bit sampling ADPCM	Dimension	350(W) x 393(D) x 88(H) mm
Direction	Both	Weight	8 Kg (No HDD)
PTZ		Operating Temperature	5°C~45°C (41°F ~ 113°F)
Protocols	35 models including C1080, C1080PT-Z20, Pelco-D, Pelco-P, Samsung, Panasonic and others	Power	AC free volt (100 ~ 240VAC), 50/60Hz
		Power consumption	Max. 75W Typical 50W (1HDD)
		Approval	KC, FCC, CE, RoHS, HDcctv