

# HD-CCTV DVR

Rev 2.0



## HDC400F Full-HD & Full-Frame Digital Video Recorder

### Key Features

- 4ch 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 Split-screen)
- Robust IPFR (Intelligent Power Failure Recovery) DVR File System
- Max. 2 Internal SATA Type HDDs
- 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

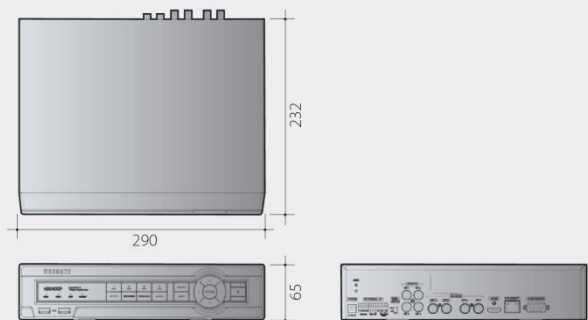
### Front



### Back



### Dimensions (Unit : mm)



## Specifications

<b>VIDEO INPUT</b>		<b>NETWORK</b>	
Video input standard	SMPTE 292M (HD-SDI)	Interface	1 Gigabit Ethernet (10/100/1000Mbps)
Resolution / Framerate	SMPTE 274M(1080p, 1920x1080) : 25, 30, 29.97 fps Input format auto detection	Type	Static IP, Dynamic IP, xDSL
Connectors	4ch, 75Ω BNC connector	DDNS	WNS, DynDNS, NoIP, WRS
<b>VIDEO OUTPUT</b>		Bandwidth limit	Supported
Video output	HDMI	NTP	Server / Client / Both
	1, 4 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)
<b>RECORDING</b>		<b>SECURITY</b>	
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	<b>STORAGE &amp; BACKUP</b>	
Mode	Manual & Event / Schedule & Event / Continuous & Event	Storage devices	2 internal SATA HDDs
Schedule	24hrs / 7days	File system	Proprietary file system, Data-loss protection against power-failure
<b>PLAYBACK</b>		Backup type	Multi-channel or Single channel avi file
Mode	Instant playback / search	Backup device	USB drive (2 ports)
Speed	Max. 120/100fps at 1080p	S.M.A.R.T.	Temperature and Health checking
Search type	Time, Calendar, Timeline, Event, Thumbnail, Smart, Text	<b>SEIRAL &amp; I/O</b>	
Block playback	24hours ~ 99days	Serial port	1 RS-232C, 2 RS-485
<b>EVENT &amp; ALARM</b>		Sensor input	4 Dry-contacts
Event source	MD(Motion Detection), Sensor, Text, Video Loss	Relay output	2 Relays
Event check schedule	24hrs / 7days	<b>CONTROLLER</b>	
Event action	Buzzer, Relay, E-mail, FTP, Alarm pop-up	Device	Front panel, IR remote, Joystick Keyboard, Mouse
MD area	15 x 10	<b>SOFTWARE</b>	
Sensor input	Dry contact (NO or NC selectable)	Web viewer	Monitoring / Event / PTZ / Playback with IE
Text input	POS/ATM support, AVE VSI Pro/Hydra support	Java viewer	Monitoring / Event/ PTZ with IE, Chrome, Safari
<b>SYSTEM ALARM</b>		Mobile viewer	Monitoring / PTZ / LogView with iPhone & Android
Alarm source	HDD fail, HDD almost full, Password fail, WRS fail	CMS	Control Center Standard, Max. 1024 DVRs
Alarm action	Warning message, Buzzer, E-mail, Relay	SDK	ActiveX(COM) SDK
<b>AUDIO</b>		<b>ENVIRONMENTAL &amp; PHYSICAL</b>	
Input/output	Input 4ch RCA / output HDMI	Dimension	290(W) x 232(D) x 65(H) mm
Compression	16KHz, 16bit sampling ADPCM	Weight	2.5 Kg (No HDD)
Direction	Both	Operating Temperature	5°C~45°C (41°F ~ 113°F)
<b>PTZ</b>		Power	DC12V, 5A
Protocols	35 models including C1080, C1080PT-Z20, Pelco-D, Pelco-P, Samsung, Panasonic and others	Power consumption	Max. 40W Typical 20W (1HDD)
		Approval	KC, FCC, CE, RoHS, HDcctv