

# HAC430F

NVR

All-In-One Analog HD DVR supporting Analog video & IP video stream

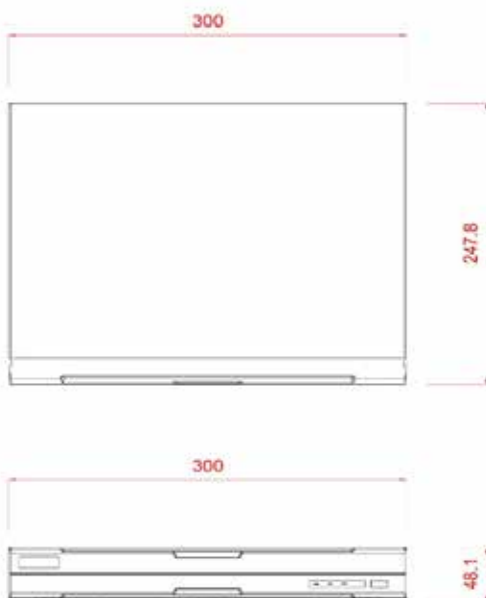


## Key Features

- 4ch All-in-One Hybrid recorder
- Diverse video standards supported
  - HD-TVI, HD-AHD, HD-CVI
  - CVBS, 960H (NTSC/PAL)
  - IP video stream : all channels
- Up to 30fps@1080p recording and playback per channel
- Adjustable recording quality and framerate per channel
- Dual Codec(H.264, JPEG) & Multi stream
- HDMI, VGA video output
- 1/4 split-screen support for live and playback
- 1 internal SATA type HDDs (8TB HDD supported)
- At-the-PC playback of removed DVR HDD
- Bundle CMS program, managing Max 1,024 DVRs in various ways such as E-map, Viewset
- Java Viewer for Chrome, Firefox, Safari
- HTML5 webviewer supported without Active X or NPAP plug-in
- Supports mobile platforms (iphone/Android Viewers)
- Easy mobile connection by P2P founction.
- Full SDK for easy and powerful customization
- CE, FCC, KC, RoHS

## Dimension

Unit : mm



## Specification

Video Input	BNC	HD-TVI 1080p/720p, HD-A, HD-C 1080p(TBD), Analog 960H/SD
	IP	Onvif Profile-S (All channel supported)
Resolution Frame Rate	HD-TVI	1920 x 1080/ 25, 30fps & 1280 x 720 / 25, 30fps
	HD-AHD-C (TBD)	1920 x 1080 / 25,30fps
	Analog 960H	960 x 480 / 60i or 960 x 576 / 50i
	Analog SD	720 x 480 / 60i or 720 x 576 / 50i
	IP	1920 x 1080 / 2048 x 1536
Connectors		4ch, 75Ω BNC connector
CoC		4ch, Control over Coax
Video Output	HDMI/VGA Duplicate Md	1, 4 split-screen HDMI : 1920 x 1080, VGA : 1920 x 1080 User defined display/ Alarm pop-up/ sequential switching
	VGA Spot Md	Not supported
	Analog Spot	1, 4 split-screen, CVBS, User defined display / Sequential switching
Recording	Compression	H.264 / JPEG
	Resolution	1920 x 1080, 1280 x 720, 960 x 480(576)
	Rate/ Quality	Max 120/100fps, 10 levels up to 8 Mbps
	Mode	Normal/event, Schedule/event, Emergency records
	Schedule	24hrs / 7days
Playback	Mode/ Speed	Instant Playback / Search, Max 120/100 fps
	Search type	Date/Time, Calender/Time-line, Event, Thumbnail, Text, Bookmark
	Block Playback	24hours ~ 99days
Event/ Alarm	Event Source	MD (Motion Detection), Sensor, Video Loss
	Event check	24hours / 7days
	Event action	Buzzer, Relay, E-mail, FTP, Alarm pop-up, Mobile Alarm Push
	MD area	15 x 10
System Alarm	Alarm Source	HDD fail, HDD almost full, Password fail, WRS fail
	Alarm action	Warning message, Buzzer, Email, Mobile Alarm Push
Audio	Input/Output	4 RCA input / HDMI & 1 RCA output
	Compression	ADPCM (32 Kbps, 8KHz, 16bit sampling)
	Direction	Both
PTZ	Protocols	41 Models including C1080, C1080PT-Z20B, C1080PT-Z10B, Pelco-D,P
Nextwork	Interface	1 Ethernet Port (10/100Mbps)
	type	Static IP, Dynamic IP, xDSL, UPnP, RTSP
	DDNS	WNS, DynDNS, NoIP, WRS
	Bandwidth limit	Supported
	NTP	Server/ Client/ Both
	Users	10 Monitoring, 4 Playback
	Streaming	H.264 Stream, High resolution, 1 additional H.264 Stream, Normal resolution 1JPEG stream, Normal resolution for e-mail or mobile
Security	User Level	1 admin, 10 users
	IP Filtering	Supported
Storage/ Backup	Storage device	1 internal SATA HDDs
	File system	Proprietary file system, Data-loss protection
	Backup type	EXE: multi channel with log, AVI: single channel, JPEG: Single channel capture
	Backup device	USB 2.0 drive (2ports)
Serial Port	Serial Port	1 RS-485
	Sensor input	4 Dry-contacts
	Relay output	1 Relay
Controller	Device	IR remote controller, Joystick, Keyboard, Mouse
Software	HTML5	Monitoring/Event/PTZ/Playback for browser supporting HTML5
	Web viewer	Monitoring/Event/PTZ/Playback for IE
	Java viewer	Monitoring/Event/PTZ for IE, Chrome, Safari
	Mobile viewer	Monitoring/Playback/Alarm push/Audio/Log view with mobile
	CMS	Control Center, Max, 1024 units
SDK	ActiveX(COM) SDK	
Weight		1.12kg (No HDD)
Operating Temp		5°C~45°C
Power/ Consumption		DC 12V/2A, Max 5W without HDD