

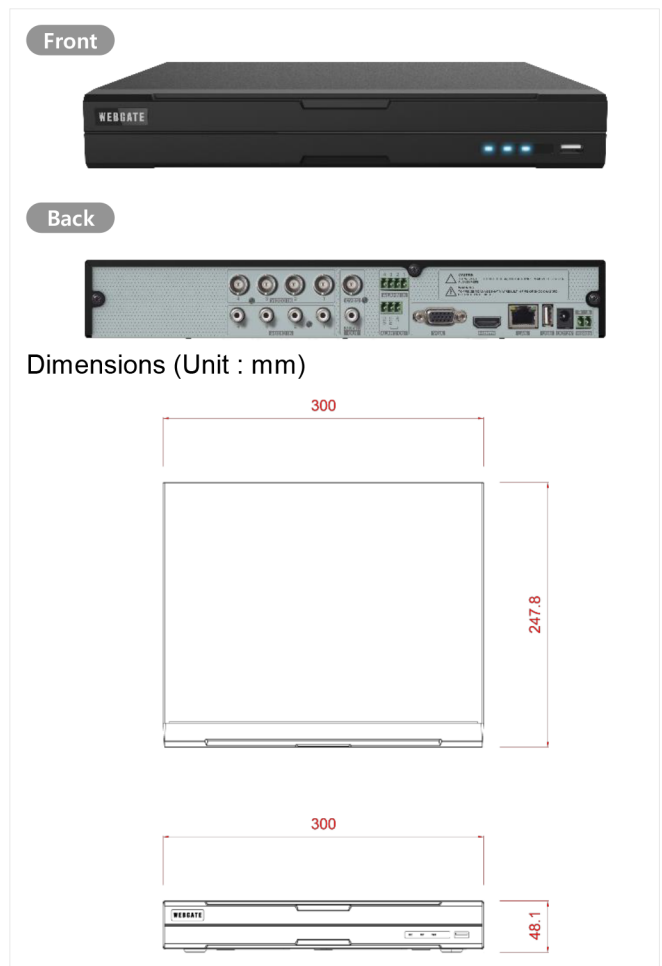


## HAC430F

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

### Key Features

- 4ch All-in-One Analog HD DVR
- Supports diverse video standards
  - ① Analog HD : [HD-TVI](#), [HD-A](#), [HD-C\(TBD\)](#) / 1080p, 720p
  - ② Analog SD : CVBS, 960H (NTSC/PAL)
  - ③ IP video stream : all channel supported
- Up to 30fps@1080p recording and playback performance per channel
- Adjustable recording quality and framerate per channel
- Supports 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)
- Date/Time, Calendar/Time-line, Event, Thumbnail, Text Search available
- At-the-PC Playback of removed DVR HDD
- Provides 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 with no need of any ActiveX or NPAP plug-in
- Supports various mobile platform (iPhone/Android Viewer)
- The easiest mobile connection by P2P function
- Provides Full SDK for easy and powerful customization



## Specifications

<b>VIDEO INPUT</b>			<b>PTZ</b>	
Video input Format	BNC	HD-TVI 1080p/720p	Protocols	41 models including C1080, C1080PT-Z20B, C1080PT-Z10B, Pelco-D, Pelco-P, Samsung, Panasonic and others
		HD-A / HD-C 1080p(TBD)		
		Analog 960H/SD	<b>NETWORK</b>	
	IP	Onvif Profile-S (all channel supported)	Interface	1 Ethernet port (10/100Mbps)
Resolution / Frame Rate	HD-TVI	1920x1080 / 25, 30fps	Type	Static IP, Dynamic IP, xDSL, UPnP, RTSP
		1280x720 / 25, 30fps	DDNS	WNS, DynDNS, NoIP, WRS
	HD-A / HD-C(TBD)	1920x1080 / 25, 30fps	Bandwidth limit	Supported
	Analog 960H	960x480 / 60i or 960x576 / 50i	NTP	Server / Client / Both
	Analog SD	720x480 / 60i or 720x576 / 50i	Users	10 Monitoring, 4 Playback
Connectors	4ch, 75Ω BNC connector		Streaming	H.264 stream, High resolution
CoC	4ch, Control over Coax			1 additional H.264 stream, Normal resolution
<b>VIDEO OUTPUT</b>			1 JPEG stream, Normal resolution for e-mail or mobile	
Video output	HDMI/VGA Duplicate Mode	1, 4 split-screen	<b>SECURITY</b>	
		HDMI : 1920 x 1080	User level	1 admin, 10 users
		VGA: 1920x1080	User privilege	Playback, Menu, Copy, PTZ, CameraSetup, Relay, Power, Network Mic
		User defined display / Alarm pop-up / Sequential switching with Analog Spot	IP filtering	Supported
	VGA Spot Mode	Not Supported		<b>STORAGE &amp; BACKUP</b>
Analog Spot	1, 4 split-screen		Storage devices	1 internal SATA HDDs
	CVBS		File system	Proprietary file system Data-loss protection against power-failure
		User defined display / Sequential switching	Backup type	EXE : multi channel with log AVI : single channel JPEG : single channel capture
<b>RECORDING</b>			Backup device	USB 2.0 drive (2 ports)
Compression	H.264 / JPEG		S.M.A.R.T.	Temperature and Health checking
Resolution	1920 x 1080, 1280 x 720, 960 x 480(576)		<b>SERIAL PORT</b>	
Rate	Max. 120/100 fps		Serial port	1 RS-485
Quality	10 levels up to 8Mbps		Sensor input	4 Dry-contacts
Mode	Normal/Event Record, Schedule/Event Record, Emergency Record		Relay output	1 Relay
Schedule	24hrs / 7days		<b>CONTROLLER</b>	
<b>PLAYBACK</b>			Device	IR remote controller, Joystick Keyboard, Mouse
Mode	Instant Playback / Search		<b>SOFTWARE</b>	
Speed	Max. 120/100 fps		HTML5 Web viewer	Monitoring / Event / PTZ / Playback for browser supporting HTML5
Search type	Date/Time, Calendar/Time-line, Event, Thumbnail(Interval/Motion), Text, Bookmark		Web viewer	Monitoring / Event / PTZ / Playback for IE
Block playback	24hours ~ 99days		Java viewer	Monitoring / Event / PTZ for IE, Chrome, Safari
<b>EVENT &amp; ALARM</b>			Mobile viewer	Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with i Phone & Android
Event source	MD(Motion Detection), Sensor, Video Loss		CMS	Control Center, Max. 1024 Units
Event check Schedule	24hrs / 7days		SDK	ActiveX(COM) SDK
Event action	Buzzer, Relay, E-mail, FTP, Alarm pop-up Mobile Alarm Push		<b>ENVIRONMENTAL &amp; PHYSICAL</b>	
MD area	15 x 10		Dimension	300(W) x 247.8(D) x 45(H) mm
<b>SYSTEM ALARM</b>			Weight	1.12kg (No HDD)
Alarm source	HDD fail, HDD almost full, Password fail, WRS fail		Operating Temperature	5°C~45°C (41°F ~ 113°F)
Alarm action	Warning message, Buzzer, E-mail, Mobile Alarm Push		Power	DC 12V / 2A
<b>AUDIO</b>			Power Consumption	Max. 5W (without HDD)
Input/output	4 RCA input / HDMI & 1 RCA output		Approval	FCC, KC, CE, RoHS
Compression	ADPCM (32Kbps, 8KHz, 16bit sampling)			
Direction	Both			