

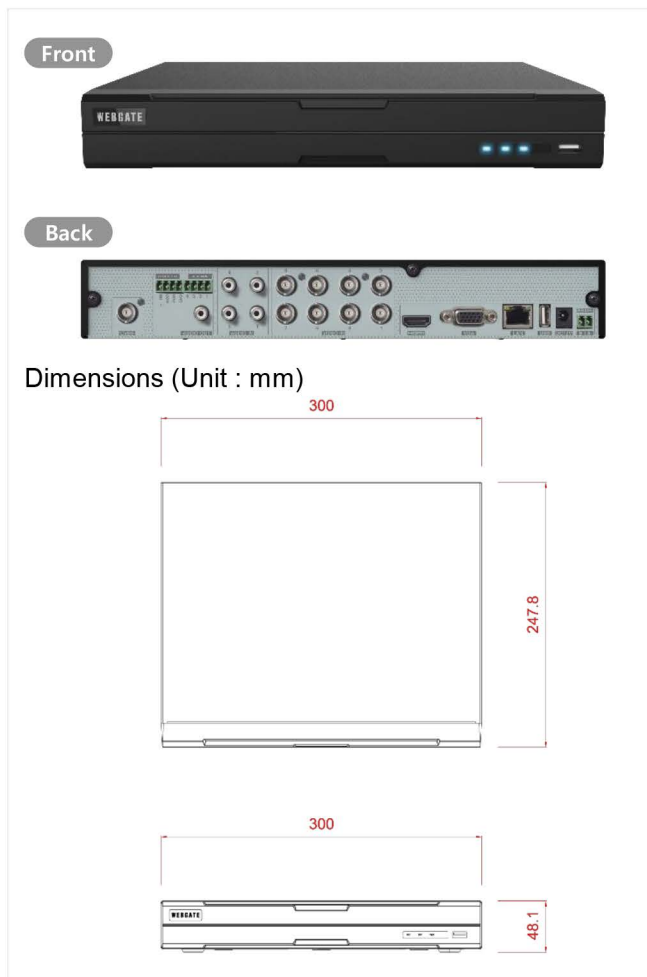


HAC830F

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

Key Features

- 8ch 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 : 4ch 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
- Various Live and Playback display (1/4/9 Split-screen)
- 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

VIDEO INPUT			NETWORK	
Video input Format	BNC	HD-TVI 1080p/720p HD-A / HD-C 1080p(TBD) Analog 960H/SD	Interface	1 Ethernet port (10/100Mbps)
	IP	Onvif Profile-S (4ch supported)	Type	Static IP, Dynamic IP, xDSL, UPnP, RTSP
Resolution / Frame Rate	HD-TVI	1920x1080 / 25, 30fps	DDNS	WNS, DynDNS, NoIP, WRS
		1280x720 / 25, 30fps	Bandwidth limit	Supported
	HD-A / HD-C(TBD)	1920x1080 / 25, 30fps	NTP	Server / Client / Both
	Analog 960H	960x480 / 60i or 960x576 / 50i	Users	10 Monitoring, 4 Playback
	Analog SD	720x480 / 60i or 720x576 / 50i	Streaming	H.264 stream, High resolution
IP	1920x1080 / 2048x1536	1 additional H.264 stream, Normal resolution		
Connectors	8ch, 75Ω BNC connector			1 JPEG stream, Normal resolution for e-mail or mobile
CoC	8ch, Control over Coax			
VIDEO OUTPUT			SECURITY	
Video output	HDMI/VGA Duplicate Mode	1, 4, 9 split-screen	User level	1 admin, 10 users
		HDMI : 1920 x 1080	User privilege	Playback, Menu, Copy, PTZ, CameraSetup, Relay, Power, NetworkMic
		VGA:1920x1080	IP filtering	Supported
		User defined display / Alarm pop-up / Sequential switching	STORAGE & BACKUP	
	with Analog Spot	Storage devices	1 internal SATA HDDs	
	VGA Spot Mode	Not Supported		File system
Analog Spot	1, 4, 9 split-screen			Data-loss protection against power-failure
	CVBS		Backup type	EXE : multi channel with log AVI : single channel JPEG : single channel capture
	User defined display / Sequential switching		Backup device	USB 2.0 drive (2 ports)
RECORDING			S.M.A.R.T.	Temperature and Health checking
Compression	H.264 / JPEG		SERIAL PORT	
Resolution	1920 x 1080, 1280 x 720, 960 x 480(576)		Serial port	1 RS-485
Rate	Max. 240/200 fps		Sensor input	4 Dry-contacts
Quality	10 levels up to 8Mbps		Relay output	1 Relay
Mode	Normal / Event Record, Schedule / Event Record, Emergency Record		CONTROLLER	
Schedule	24hrs / 7days		Device	IR remote controller, Joystick Keyboard, Mouse
PLAYBACK			SOFTWARE	
Mode	Instant Playback / Search		HTML5 Web viewer	Monitoring / Event / PTZ / Playback for browser supporting HTML5
Speed	Max. 240/200 fps		Web viewer	Monitoring / Event / PTZ / Playback for IE
Search type	Date/Time, Calendar/Time-line, Event, Thumbnail(Interval/Motion), Text, Bookmark		Java viewer	Monitoring / Event / PTZ for IE, Chrome, Safari
Block playback	24hours ~ 99days		Mobile viewer	Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android
EVENT & ALARM			CMS	Control Center, Max. 1024 Units
Event source	MD(Motion Detection), Sensor, Video Loss		SDK	ActiveX(COM) SDK
Event check Schedule	24hrs / 7days		ENVIRONMENTAL & PHYSICAL	
Event action	Buzzer, Relay, E-mail, FTP, Alarm pop-up Mobile Alarm Push		Dimension	300(W) x 247.8(D) x 45(H) mm
MD area	15 x 10		Weight	1.16kg (No HDD)
SYSTEM ALARM			Operating Temperature	5°C~45°C (41°F ~ 113°F)
Alarm source	HDD fail, HDD almost full, Password fail, WRS fail		Power	DC 12V / 3A
Alarm action	Warning message, Buzzer, E-mail, Mobile Alarm Push		Power Consumption	Max. 8W (without HDD)
AUDIO			Approval	FCC, KC, CE, RoHS
Input/output	4 RCA input / HDMI & 1 RCA output			
Compression	ADPCM (32Kbps, 8KHz, 16bit sampling)			
Direction	Both			
PTZ				
Protocols	41 models including C1080, C1080PT-Z20B, C1080PT-Z10B, Pelco-D, Pelco-P, Samsung, Panasonic and others			