

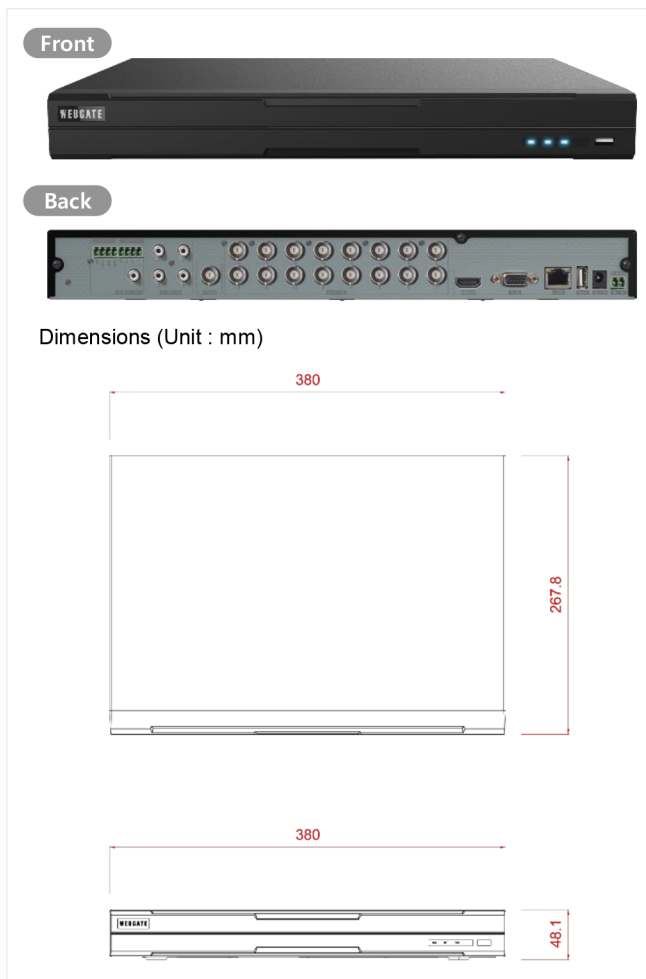


HAC1630F

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

Key Features

- 16ch 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 (1/4/9/10/13/16 Split-screen)
- Max. 2 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 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
	IP	1920x1080 / 2048x1536	Streaming	H.264 stream, High resolution
Connectors	16ch, 75Ω BNC connector	1 additional H.264 stream, Normal resolution		
CoC	16ch, Control over Coax		1 JPEG stream, Normal resolution for e-mail or mobile	
VIDEO OUTPUT			SECURITY	
Video output	HDMI/VGA Duplicate Mode	1, 4, 9, 10, 13, 16 split-screen	User level	1 admin, 10 users
		HDMI : 1920 x 1080	User privilege	Playback, Menu, Copy, PTZ, CameraSetup, Relay, Power, NetworkMic
		VGA : 1920x1080, 1280x1024, 1024x768	IP filtering	Supported
		User defined display / Alarm pop-up / Sequential switching with Analog Spot	STORAGE & BACKUP	
	VGA Spot Mode	1, 4, 9, 16 split-screen	Storage devices	2 internal SATA HDDs
		1920x1080, 1280x1024, 1024x768	File system	Proprietary file system Data-loss protection against power-failure
		User defined display / Sequential switching without Analog Spot	Backup type	EXE : multi channel with log AVI : single channel JPEG : single channel capture
		1, 4, 9, 16 split-screen		Backup device
	Analog Spot	CVBS	S.M.A.R.T.	Temperature and Health checking
		User defined display / Sequential switching	SERIAL PORT	
RECORDING			Serial port	
Compression	H.264 / JPEG		1 RS-485	
Resolution	1920 x 1080, 1280 x 720, 960 x 480(576)		Sensor input	
Rate	Max. 480/400 fps		4 Dry-contacts	
Quality	10 levels up to 8Mbps		Relay output	
Mode	Normal/Event Record, Schedule/Event Record, Emergency Record		1 Relay	
Schedule	24hrs / 7days		CONTROLLER	
PLAYBACK			Device	
Mode	Instant Playback / Search		IR remote controller, Joystick Keyboard, Mouse	
Speed	Max. 480/400fps		SOFTWARE	
Search type	Date/Time, Calendar/Time-line, Event, Thumbnail(Interval/Motion), Text, Bookmark		HTML5 Web viewer	
Block playback	24hours ~ 99days		Monitoring / Event / PTZ / Playback for browser supporting HTML5	
EVENT & ALARM			Web viewer	
Event source	MD(Motion Detection), Sensor, Video Loss		Monitoring / Event / PTZ / Playback for IE	
Event check Schedule	24hrs / 7days		Java viewer	
Event action	Buzzer, Relay, E-mail, FTP, Alarm pop-up Mobile Alarm Push		Monitoring / Event / PTZ for IE, Chrome, Safari	
MD area	15 x 10		Mobile viewer	
SYSTEM ALARM			Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android	
Alarm source	HDD fail, HDD almost full, Password fail, WRS fail		CMS	
Alarm action	Warning message, Buzzer, E-mail, Mobile Alarm Push		Control Center, Max. 1024 Units	
AUDIO			SDK	
Input/output	4 RCA input / HDMI & 1 RCA output		ActiveX(COM) SDK	
Compression	ADPCM (32Kbps, 8KHz, 16bit sampling)		ENVIRONMENTAL & PHYSICAL	
Direction	Both		Dimension	
PTZ			380(W) x 267.8(D) x 45(H) mm	
Protocols	41 models including C1080, C1080PT-Z20B, C1080PT-Z10B, Pelco-D, Pelco-P, Samsung, Panasonic and others		Weight	
			1.66kg (No HDD)	
			Operating Temperature	
			5°C~45°C (41°F ~ 113°F)	
			Power	
			DC 12V / 4A	
			Power Consumption	
			Max. 15W (without HDD)	
			Approval	
			FCC, KC, CE, RoHS	