



WEBGATE

Dimension

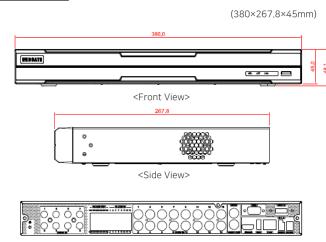
# Analog 2M(Full-Frame) / 4M / 5M DVR

# HAC1650F-V3

AHD 5M, 4M, 2M I TVI 5M, 4M, 2M I IP I H.265

#### **Key Features**

- · Analog 2M(Full-Frame) / 4M / 5M 16CH DVR
- · Analog : AHD(5M/4M/2M), TVI(5M/4M/2M), CVBS(960H, SD)
- · IP(Ethernet) : Onvif, WESP / H.264, H.265
- $\cdot$  2 Internal SATA HDD
- · HDD Capacity 12TB
- · Service channel, Remote DVR
- · VMS(Control Center), Mobile App(WebEye), HTML5 WebViewer



<Rear View>

### Tech Note

#### Up to 5M image support

Full-HD image Full-Frame support and can be stored up to 5M resolution for clearer monitoring of wider areas and distant images

#### Analog All in One DVR

Various video inputs such as TVI(5M/4M/2M), AHD(5M/4M/2M), CVBS, SD and IP (Onvif Profile S) are supported simultaneously Monitoring, recording, playback, backup and remote control of IP camera or other DVR Integration with Alarm or Audio of 3rd party's IPC

#### UTC(CoC)

Camera control over coax cable Control camera's OSD or zoom/focus remotely (DVR, PC) without additional cable construction

#### Remote DVR Full control of remote DVR/NVR -Patent Application

Share DVR/NVR's main output on PC and real-time remote control from DVR/NVR's OSD menu on PC

#### **Free VMS**

Provide Central Monitoring Software (Control Center) for free, supporting Max. 1,024 Units with various and great functions



## Analog 2M(Full-Frame) / 4M / 5M DVR

# HAC1650F-V3

VIDEO INPUT			
	BNC	AHD, TVI, CVBS(960H,SD)	
Video input For	Bive	H.264, H.265	
mat	IP(Eternet)	Protocol : WESP, Onvif Profile S (all ch support)	
	AHD	1920×1080@30fps, 1920×1080@25fps	
		2560×1440@30fps, 2560×1440@25fps	
		2560×1944@20fps, 2560×1944@20fps	
	TVI	1920×1080@30fps, 1920×1080@25fps	
Resolution/Fra meRate		2560×1440@30fps, 2560×1440@25fps 2560×1944@20fps, 2560×1944@20fps	
mentate		960×480@60i, 720×480@60i	
	CVBS(960H)	960×576@50i, 720×576@50i	
	IP	1st stream: 1280x720~3840x2160	
Connectors		2nd stream: max 720x576 16ch, 75Ω BNC connector	
Connectors CoC		Control over Coax@AHD,TVI	
VIDEO OUTPUT		Control over Coax@AHD,1VI	
VIDEO OUTPOT		HDMI: 3840×2160(*), 1920×1080	
Video output	Resolution	VGA : 1920×1080, 1280×1024, 1024×768	
		BNC(CVBS): 720×480, 720×576	
		HDMI main + VGA spot HDMI main + CVBS spot	
		HDMI main + CVBS spot HDMI/VGA Duplicate	
	Modes	HDMI/CVBS Duplicate	
		HDMI main + VGA(Service Channel) HDMI main + CVBS(Service Channel)	
	BNC(CVBS)	1, 4, 9, 16 split-screen, Switching	
RECORDING	BNC(CVB3)	1, 4, 5, 10 spire screen, switching	
Compression	H.264 / H.265	/ M IPEG	
Resolution		2560×1440, 1920×1080, 960×480	
		Max 30fps/ch @ 1920×1080	
Rate		Max 15fps/ch @ 2560×1440	
Quality		Max 10fps/ch @ 2560×1944 0 8Mbps@2M, 12Mbps@4M, 8Mbps@5M	
Quality		Record, Schedule/Event Record, Emergency	
Mode	Record	Record, Schedule, Event Record, Emergency	
Schedule	24hrs / 7days		
PLAYBACK			
Mode	Instant Playba	ck / Search	
Speed	Max. 480fps		
Search type	Date/Time, Ca	lendar/Time-line, Event, erval/Motion), Text, Bookmark	
Block playback	1day ~ 365da		
EVENT & ALARM		y	
	r	ion, Sensor input, Video Loss, Text input,	
Event source	Al, System		
Event check	24hrs / 7days		
Schedule		E mail ETD Video non un Comere Dreet	
Event action		E-mail, FTP, Video pop-up, Camera Preset, Push, System alarm	
MD area	15×10	· · · ·	
Text input	POS/ATM sup	port, AVE VSI Pro/Hydra support	
SYSTEM ALARM			
Event source		almost full, Password fail, WRS/DDNS fail, Record	
	ing Fail		
Event action	Pop-up Messa	ge, Buzzer, E-mail, Relay, Mobile Alarm Push	
AUDIO	Q DCA input /		
Input/output Compression	8 RCA input / HDMI & RCA output G.711		
Direction	Both		
PTZ	5000		
	HIK-C. AHD C	1080(D1080), C1080PT-Z20, Pelco-D, Pelco-P,	
Protocols		asonic and others	

Interface	1 Gigabit Ethernet (10/100/1000Mbps)	
Туре	Static IP, Dynamic IP	
DDNS	WNS, DynDNS, NoIP, WRS	
Bandwidth limit	0.01 ~ 100Mbps, unlimited	
NTP	Server / Client / Both	
Users	10 Monitoring, 4 Playback	
RTSP	Supported	
UPnP	UPnP auto port forwarding	
Streaming	H.264 or H.265 stream, High resolution 1 additional H.264 or H.265 stream, Normal resolution 1 JPEG stream, Normal resolution	
Service	Service Channel or Remote DVR	
Streaming	Schwee endmiter of Remote BVR	
SECURITY		
User level	1 admin, 10 users	
User privilege	Menu, PTZ, Relay, Playback, Power off, Copy, Network MIC, C amera setup	
IP filtering	Supported	
STORAGE & BACI	KUP	
Storage devices	2 internal SATA HDD, 1 external eSATA Interface	
RAID Level	Not supported	
File system	High-performance proprietary file system Data-loss protection against power interrupt	
Capacity	Max, 128TB with eSATA 12TB HDD Supported per SATA Port	
Backup type	Multi-channel exe file, Single channel avi file, JPEG(Capture)	
	2 USB 3.0 drive (1 rear), 2.0 drive (1 front)	
Backup device	FAT32(Max 32GB), NTFS (Min. 1GB)	
S.M.A.R.T.	Health checking and alarm, Reallocation sector monitoring a nd alarm	
SERIAL & I/O		
Serial port	1 RS-485	
Sensor input	16 Dry-contacts + Sensor of IP Camera	
Relay output	4 Relays	
CONTROLLER		
Device	IR remote controller, Joystick Keyboard(option), Mouse	
DEVICE		
SOETWARE		
SOFTWARE		
SOFTWARE HTML5 Webvie wer	Monitoring / Event / PTZ / Playback for browser supporting HTML5	
HTML5 Webvie wer	Monitoring / Event / PTZ / Playback for browser supporting HTML5	
HTML5 Webvie	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View	
HTML5 Webvie wer Webviewer Mobile viewer	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android	
HTML5 Webvie wer Webviewer Mobile viewer CMS	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android Control Center, Max. 1024 Units	
HTML5 Webvie wer Webviewer Mobile viewer CMS SDK	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android Control Center, Max. 1024 Units ActiveX(COM) SDK	
HTML5 Webvie wer Webviewer Mobile viewer CMS SDK ENVIRONMENTA	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android Control Center, Max. 1024 Units ActiveX(COM) SDK L & PHYSICAL	
HTML5 Webvie wer Webviewer Mobile viewer CMS SDK ENVIRONMENTA Dimension	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android Control Center, Max. 1024 Units ActiveX(COM) SDK L & PHYSICAL 380(W) × 267.8(D) × 45(H) mm	
HTML5 Webvie wer Webviewer Mobile viewer CMS SDK ENVIRONMENTA Dimension Weight	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android Control Center, Max. 1024 Units ActiveX(COM) SDK L & PHYSICAL	
HTML5 Webvie wer Webviewer Mobile viewer CMS SDK ENVIRONMENTA Dimension Weight Operating Temperature	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android Control Center, Max. 1024 Units ActiveX(COM) SDK L & PHYSICAL 380(W) × 267.8(D) × 45(H) mm	
HTML5 Webvie wer Webviewer Mobile viewer CMS SDK ENVIRONMENTA Dimension Weight Operating	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android Control Center, Max. 1024 Units ActiveX(COM) SDK L & PHYSICAL 380(W) × 267.8(D) × 45(H) mm 1.8Kg (No HDD)	
HTML5 Webvie wer Webviewer Mobile viewer CMS SDK ENVIRONMENTA Dimension Weight Operating Temperature Operating	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android Control Center, Max. 1024 Units ActiveX(COM) SDK L & PHYSICAL 380(W) × 267.8(D) × 45(H) mm 1.8Kg (No HDD) 5°C ~ 45°C (41°F ~ 113°F)	
HTML5 Webvie wer Webviewer Mobile viewer CMS SDK ENVIRONMENTA Dimension Weight Operating Temperature Operating Humidity	Monitoring / Event / PTZ / Playback for browser supporting HTML5 Monitoring / Event / PTZ / Playback for IE Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android Control Center, Max. 1024 Units ActiveX(COM) SDK <b>L &amp; PHYSICAL</b> 380(W) × 267.8(D) × 45(H) mm 1.8Kg (No HDD) 5°C ~ 45°C (41°F ~ 113°F) 80% below, free of condensation DC 12V / 4A (Option : DC 12V / 5A **) - It is highly recommended to use an adapter (option) to use a high capacity HDD with a power consumption of 8W or more. Please refer the HDD's specification for power	







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CAMERA

ACCESSORY SO

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SOFTWARE