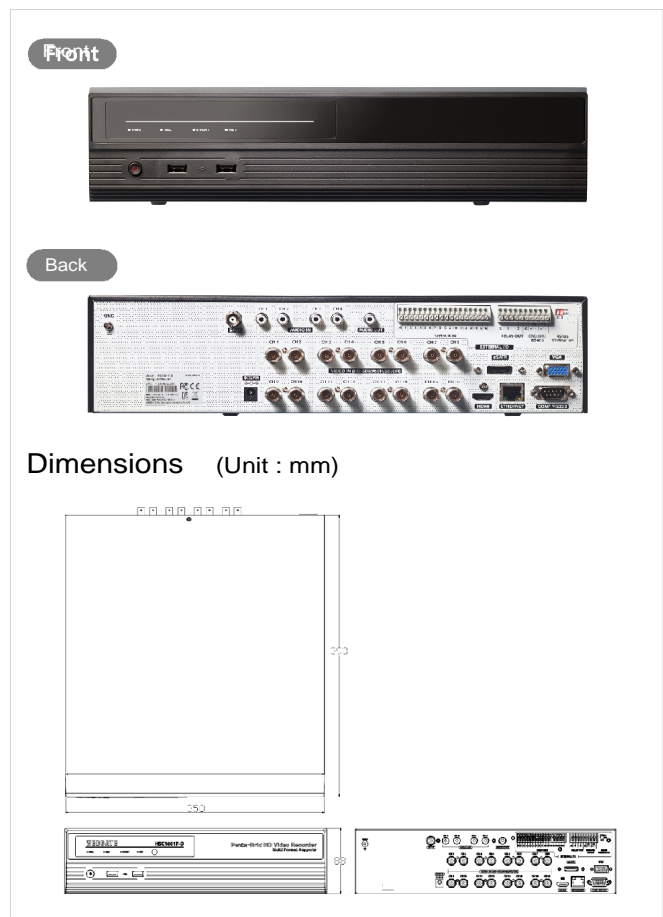


## HTC1601F

Multi-input HD DVR supporting TVI & Analog video

### Key Features

- 16ch Standalone DVR supporting TVI video input
- 1080p High -resolution video recording
- Up to 30fps(25fps) recording and playback per channel
- Adjustable recording quality and framerate per channel
- Supports Dual Codec(H.264,JPEG) & Multi Stream
- HDMI, VGA, BNC video output
  - HDMI & VGA : 1920 x 1080 video output
  - BNC : CVBS. User -defined display & Alarm spot monitor support
- Various Live and Playback display (1/4/9/10/13/16 Split -screen )
- Robust IPFR (Intelligent Power Failure Recovery) DVR File System
- Max. 2 Internal SATA Type HDDs
- Max. 32TB(e -SATA) external storage interface
- Date/Time, Calendar/Time -line, Event, Thumbnail(Time Interval), Text Search available
- **At-the-PC Playback of removed DVR HDD**
- Lightning arresters on Video input, RS-485, DIO ports
- Provides bundle CMS program, managing Max. 1,024 DVRs in various ways such as E -map, Viewset
- Java Viewer for Chrome, Firefox, Safari
- Supports various mobile platform ( iPhone/Android Viewer)
- Provides Full SDK for easy and powerful customization



## Specifications

<b>VIDEO INPUT</b>		<b>PTZ</b>		
Video input Format	TVI 1080p/720p, CVBS, 960H	Protocols	35 models including C1080, C1080PT -Z20B, C1080PT -Z10B, Pelco -D, Pelco -P, Samsung, Panasonic and others	
Connectors	16ch, 75 Ω BNC connector	<b>NETWORK</b>		
<b>VIDEO OUTPUT</b>		Interface	1 Gigabit Ethernet (10/100/1000Mbps)	
Video output	HDMI VGA	1, 4, 9, 10, 13, 16 split -screen	Type	Static IP, Dynamic IP, xDSL
		1920 x 1080	DDNS	WNS, DynDNS, NoIP, WRS
	User-defined display / Alarm pop -up		Bandwidth limit	Supported
	BNC	1, 4, 9, 10, 13, 16 split -screen	NTP	Server / Client / Both
CVBS		Users	10 Monitoring , 2 Playback	
User-defined display / Alarm pop -up		Streaming	H.264 stream , High resolution 1 additional H.264 stream , Normal resolution 1 JPEG stream , Normal resolution for e-mail or mobile	
<b>RECORDING</b>		<b>SECURITY</b>		
Compression	H.264 / JPEG	User level	1 admin, 10 users	
Resolution	1920 x 1080, 1280 x 720, 720 x 480( 576), 960 x 480(576)	User privilege	Menu, PTZ, Relay, Playback, Power, Copy, Network MIC	
Rate	Max. 30fps(25fps) per channel	IP filtering	Supported	
Quality	10 levels up to 12Mbps	<b>STORAGE &amp; BACKUP</b>		
Mode	Manual & Event / Schedule & Event / Continuous & Event	Storage devices	2 internal SATA HDDs, 1 external eSATA Interface,	
Schedule	24hrs / 7days	File system	Proprietary file system, Data-loss protection against power -failure	
<b>PLAYBACK</b>		Capacity	Max . 32TB with eSATA	
Mode	Instant Playback / Search	Backup type	Multi -channel or Single channel avi file	
Speed	Max . 30fps(25fps) per channel	Backup device	USB drive ( 2 ports)	
Search type	Date/Time, Calendar/Time -line, Event, Thumbnail, Text	S.M.A.R.T.	Temperature and Health checking	
Block playback	24hours ~ 99days	<b>SERIAL &amp; I/O</b>		
<b>EVENT &amp; ALARM</b>		Serial port	1 RS -232C, 2 RS -485	
Event source	MD(Motion Detection), Sensor, Text, Video Loss	Sensor input	16 Dry -contacts	
Event check Schedule	24hrs / 7days	Relay output	2 Relays	
Event action	Buzzer, Relay, E-mail, FTP, Alarm pop-up	<b>CONTROLLER</b>		
MD area	15 x 10	Device	IR remote controller, Joystick Keyboard, Mouse	
Sensor input	Dry contact ( NO or NC selectable)	<b>SOFTWARE</b>		
Text input	POS/ATM support, AVE VSI Pro/Hydra support	Web viewer	Monitoring / Event / PTZ / Playback for IE	
<b>SYSTEM ALARM</b>		Java viewer	Monitoring / Event / PTZ for IE, Chrome, Safari	
Alarm source	HDD fail, HDD almost full, Password fail, WRS fail	Mobile viewer	Monitoring / PTZ / LogView / Playback with iPhone & Android	
Alarm action	Warning message, Buzzer, E-mail, Relay	CMS	Control Center, Max. 1024 DVRs	
<b>AUDIO</b>		SDK	ActiveX(COM) SDK	
Input/output	4 RCA input / HDMI & RCA output	<b>ENVIRONMENTAL &amp; PHYSICAL</b>		
Compression	ADPCM (32Kbps, 16KHz, 16bit sampling)	Dimension	350(W) x 393(D) x 88(H) mm	
Direction	Both	Weight	8 Kg (No HDD)	
		Operating Temperature	5°C-45°C (41°F ~ 113°F)	
		Power	DC 12V / 5A	
		Power Consumption	Max. 40W, Typ 30W	
		Approval	KC, FCC, CE, RoHS	