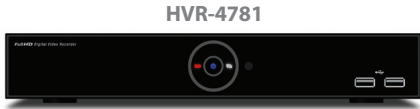


# HVR-4781/8781/16781

2MP HD Hybrid Digital Video Recorder



## Key Features

- Support AHD, TVI, 960H and D1 Camera
- Real Time Full HD Live/Playback with Smart Display(4/8CH)
- Up to 240fps Full HD Recording
- Dual Recording(Main-Full HD, Sub-VGA)
- Audio In/Out
- Alarm In/Out
- Internal HDD : 1xSATA(4CH), 2xSATA(8/16CH)

## Technical Specifications

Model	HVR-4781	HVR-8781	HVR-16781
<b>VIDEO</b>			
Video Input Channel	Up to 4CH (4 BNC, 1 IP Configurable)	Up to 8CH (8 BNC, 2 IP Configurable)	Up to 16CH (16 BNC, 4 IP Configurable)
Video Input Type	AHD, TVI, CVBS, IP	AHD, TVI, CVBS, IP	AHD, TVI, CVBS, IP
Video Input Resolution	1080p, 720p, 960H, D1(CVBS)	1080p, 720p, 960H, D1(CVBS)	1080p, 720p, 960H, D1(CVBS)
	Up to 3M	Up to 3M	Up to 3M
Display Output	1 VGA, 1 HDMI	1 VGA, 1 HDMI, 1 BNC(Spot, CVBS)	1 VGA, 1 HDMI, 1 BNC(Spot, CVBS)
Display Resolution	VGA, HDMI 1920x1080, 1280x720, 1024x768	1920x1080, 1280x720, 1024x768	1920x1080, 1280x720, 1024x768
Spot	-	1.0 Vp-p(75ohm, Composite)	1.0 Vp-p(75ohm, Composite)
Display Speed	100/120fps	200/240fps	400/480fps
Display Mode	VGA, HDMI Spot	1/4/9 Split, PIP, Sequence 1/9 Split, Sequence	1/4/9/16 Split, Sequence 1/16 Split, Sequence
<b>RECORDING</b>			
Compression	H.264	H.264	H.264
Recording Resolution	BNC 1080p, 720p, 960H	1080p, 720p, 960H	1080p, 720p, 960H
IP	Up to 3M	Up to 3M	Up to 3M
Recording Speed	Main Stream : 100/120fps@1080p Sub Stream : 100/120fps@VGA	Main Stream : 200/240fps@1080p Sub Stream : 200/240fps@VGA	Main Stream : 200/240fps@1080p Sub Stream : 200/240fps@VGA
Recording Mode	Continuous, Motion, Alarm, C+M, C+A, M+A, C+M+A, Panic	Continuous, Motion, Alarm, C+M, C+A, M+A, C+M+A, Panic	Continuous, Motion, Alarm, C+M, C+A, M+A, C+M+A, Panic
Pre Alarm	1~5sec	1~5sec	1~5sec
Post Alarm	5sec~10min	5sec~10min	5sec~10min
<b>PLAYBACK</b>			
Simultaneous Playback	1/4 Split	1/4/9 Split	1/4/9/16 Split
Playback Mode	Backward, Forward 2~64x	Backward, Forward 2~64x	Backward, Forward 2~64x
Search Mode	Time, Event, Thumbnail, Text, Smart(Motion)	Time, Event, Thumbnail, Text, Smart(Motion)	Time, Event, Thumbnail, Text, Smart(Motion)
<b>STORAGE</b>			
Internal HDD	1 SATA Interface	2 SATA Interface	2 SATA Interface
External Storage	iSCSI	iSCSI	iSCSI
Backup	USB	USB	USB
Backup File Format	AVI, H4V, MP4	AVI, H4V, MP4	AVI, H4V, MP4
<b>FUNCTION</b>			
PTZ & OSD Control	RS485, UTC	RS485, UTC	RS485, UTC
Text in	POS/ATM(Network, RS485, USB)	POS/ATM(Network, RS485, USB)	POS/ATM(Network, RS485, USB)
User Interface	Mouse, USB/RS485 Keyboard IR Remote Controller(Optional)	Mouse, USB/RS485 Keyboard IR Remote Controller(Optional)	Mouse, USB/RS485 Keyboard IR Remote Controller(Optional)
<b>NETWORK</b>			
PTZ & OSD Control	1 RJ45 10/100/1000 Base-T	1 RJ45 10/100/1000 Base-T	1 RJ45 10/100/1000 Base-T
Max. Network Throughput	Unlimited (Guarantee 72Mbps, Support Bandwidth Control)	Unlimited (Guarantee 72Mbps, Support Bandwidth Control)	Unlimited (Guarantee 72Mbps, Support Bandwidth Control)
Remote Monitoring	CMS, Mobile, Web, Dashboard	CMS, Mobile, Web, Dashboard	CMS, Mobile, Web, Dashboard
<b>EXTERNAL IN/OUT</b>			
Audio	1 RCA Input / 1 RCA Output, 1 HDMI	4 RCA Input / 1 RCA Output, 1 HDMI	4 RCA Input / 1 RCA Output, 1 HDMI
Alarm	4 Input / 1 Output(Terminal Block)	4 Input / 1 Output(Terminal Block)	4 Input / 1 Output(Terminal Block)
Serial Port	1 RS485(Terminal Block)	1 RS485(Terminal Block)	1 RS485(Terminal Block)
USB	2 USB(Front)	2 USB(Front)	2 USB(Front)
<b>ETC</b>			
Operating Humidity	0~90% RH(Non-Condensing)	0~90% RH(Non-Condensing)	0~90% RH(Non-Condensing)
Operating Temperature	0~+45 °C	0~+45 °C	0~+45 °C
Power Supply	12VDC, 2A	12VDC, 3A	12VDC, 5A
Power Consumption	Max. 19.2W(Include 1HDD)	Max. 28.8W(Include 2HDD)	Max. 36W(Include 1HDD)
Dimension(WxHxD)	260x44.5x220mm	375x44.9x318.2mm	375x44.9x318.2mm
Net Weight	0.8kg(Exclude HDD)	1.7kg(Exclude HDD)	1.8kg(Exclude HDD)

Specifications are subject to change without notice.

## Key Functions

- Camera Menu and PTZ Control over Coax Cable
- DDNS, DVRNS, Dashboard
- Advanced Event Search
- Digital Zoom In/Out in Live/Playback(x2, x4, x6, x8)
- ATM/POS Support
- S.M.A.R.T. Health Check

## Software

- SmartManager
- Titanium 2.0
- Titanium Mobile

## Optional Accessory

- HAS-08IR(8 Bay iSCSI Storage)
- HAS-16IR(16 Bay iSCSI Storage)

## Dimension

