



HDC420F-PD

Full-HD & Full-Frame DVR supporting PoC/CoC, EX-SDI

Key Features

- 4ch Standalone DVR supporting multi-video input
- Supports diverse video standards
Digital HD : HD-SDI, EX-SDI / 1080p, 720p
IP camera : ONVIF & WESP protocol camera support
- Camera power supply and OSD control over coaxial cable (PoC/CoC)
- Built-in EX-SDI receiver function for all channels
(Supports up to 400m HD video transmission without repeater)
- Up to 30fps(25fps) recording and playback per channel
- Adjustable recording quality and framerate per channel
- Fire alert to DVR, CMS and smart phone when using with flame detection camera
- High-resolutions over 1200TVL at Live/Playback for HD1080p and EX-SDI video input
- Supports Dual Codec(H.264,JPEG) & Multi Stream
- HDMI, VGA, BNC video output
HDMI : 1920x1080 video output
VGA : 1920x1080, 1280x1024, 1024x768, 800x600 video output
BNC : CVBS. User-defined display & Alarm spot monitor support
- Robust IPFR (Intelligent Power Failure Recovery) DVR File System
- Max. 2 Internal SATA Type HDDs (Up to 6TB each)
- Supports Max. 128TB(NS04R connection via Gigabit ethernet) and Max. 32TB(e-SATA) external storage interface
- RAID 1/5/10 support with NS04R
- Supports RTSP
- Automatic port-forwarding via UPnP(Universal plug&play)
- 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, Mac OS X
- Supports various mobile platform (iPhone/Android Viewer)
- Real time push alarm to smart phone
- Provides Full SDK for easy and powerful customization

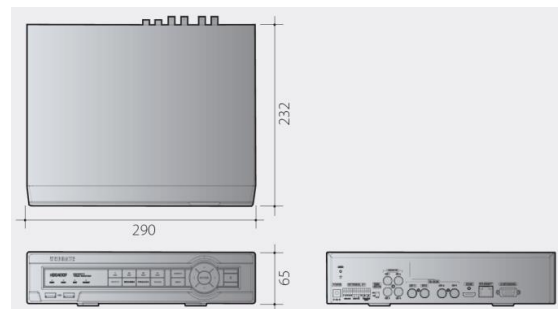
Front



Rear



Dimension (Unit : mm)



Specifications

VIDEO INPUT		NETWORK			
Video input Format	HD-SDI (SMPTE 292M), EX-SDI IP Camera(Onvif, WESP)		Interface	1 Gigabit Ethernet (10/100/1000Mbps)	
Resolution / Frame Rate	HD-SDI	1920x1080 / 25, 30fps	Type	Static IP, Dynamic IP, xDSL, UPnP, RTSP	
	EX-SDI	1280x720 / 25, 30, 50, 60fps	DDNS	WNS, DynDNS, NoIP, WRS	
Connectors	4ch, 75Ω BNC connector			Bandwidth limit	Supported
PoC	4ch, Power over Coax, Max. 16W/ch, Total 64W			NTP	Server / Client / Both
CoC	4ch, Control over Coax, Max. 57,600bps			Users	10 Monitoring, 2 Playback
VIDEO OUTPUT				Streaming	H.264 stream, High resolution 1 additional H.264 stream, Normal resolution 1 JPEG stream, Normal resolution for e-mail or mobile
Video output	HDMI VGA	1, 4 split-screen HDMI : 1920 x 1080 VGA : 1920x1080, 1280x1024, 1024x768, 800x600(TBD) User defined display / Alarm pop-up / Sequential switching		SECURITY	
		BNC	1, 4 split-screen CVBS User defined display / Sequential switching		User level
			User privilege	Menu, PTZ, Relay, Playback, Power, Copy, Network MIC	
				IP filtering	Supported
				STORAGE & BACKUP	
RECORDING				Storage devices	2 internal SATA HDDs Gigabit network for NS04R
Compression	H.264 / JPEG		RAID Level	External storage including NS04R(Level 1/5/10)	
Resolution	1920 x 1080, 1280 x 720, 960 x 480(576)		File system	Proprietary file system, Data-loss protection against power-failure	
Rate	Max. 120/100fps		Capacity	Max. 128TB with cascaded NS04R 6TB HDD Supported	
Quality	10 levels up to 8Mbps		Backup type	Multi-channel or Single channel avi file, JPEG(Capture)	
Mode	Continuous / Manual / Schedule		Backup device	USB 2.0 drive (2 ports)	
Schedule	24hrs / 7days		S.M.A.R.T.	Temperature and Health checking	
				SERIAL & I/O	
PLAYBACK				Serial port	1 RS-232C, 2 RS-485
Mode	Instant Playback / Search		Sensor input	4 Dry-contacts	
Speed	Max. 120/100fps		Relay output	2 Relays	
Search type	Date/Time, Calendar/Time-line, Event, Thumbnail(Interval/Motion), Text, Bookmark		CONTROLLER		
Block playback	24hours ~ 99days		Device	IR remote controller, Joystick Keyboard, Mouse	
				SOFTWARE	
EVENT & ALARM				Web viewer	Monitoring / Event / PTZ / Playback for IE
Event source	MD(Motion Detection), Sensor, Text, Video Loss		Java viewer	Monitoring / Event / PTZ for IE, Chrome, Safari, Mac OS X	
Event check Schedule	24hrs / 7days		Mobile viewer	Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android	
Event action	Relay, Buzzer, E-mail, FTP, Video pop-up, Camera Preset, Mobile Alarm Push		CMS	Control Center, Max. 1024 units	
MD area	15 x 10		SDK	ActiveX(COM) SDK	
Sensor input	Dry contact (NO or NC selectable)		ENVIRONMENTAL & PHYSICAL		
Text input	POS/ATM support, AVE VSI Pro/Hydra support		Dimension	290(W) x 232(D) x 65(H) mm	
				Weight	2.5 Kg (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 24V / 5A	
Alarm action	Warning message, Buzzer, E-mail, Relay, Mobile Alarm Push		Power Consumption	Max. 30W, Typical 20W(1 HDD)	
				Approval	MSIP(KC), FCC, CE, RoHS
AUDIO					
Input/output	1 RCA input / HDMI & RCA output				
Compression	ADPCM (32Kbps, 16KHz, 16bit sampling)				
Direction	Both				
PTZ					
Protocols	41 models including C1080(D1080), C1080PT-Z20, Pelco-D, Pelco-P, Samsung, Panasonic and others				