

HD-SDI SERIES VRHD-16SDI

Full-HD Digital Video Recorder



Key Features

- 16ch HD-SDI Standalone DVR
- Max. 120/100fps Recording & Playback at Full-HD 1080p resolution
- Adjustable recording quality and framerate per each channel
- Supports High-resolutions over 1200TV lines at Live/Playback
- Supports Dual Codec(H.264,JPEG) & Multi Stream (HD, nHD(640x360))
- Full-HD 1920x1080 resolution output via HDMI port
- Various Live and Playback display (1/4 Split-screen)
- Robust IPFR (Intelligent Power Failure Recovery) DVR File System
- Max. 2 Internal SATA Type HDDs
- Date/Time, Calendar, Event, Thumbnail, Smart, Text Search available
- At-the-PC Playback of removed DVR HDD
- Lightning arrester on HD-SDI, 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, Mobile page)
- Provides Full SDK for easy and powerful customization

Specifications		VRHD-16SDI
VIDEO INPUT	Video input standard	SMPTE 292M (HD-SDI)
	Resolution / Framerate	SMPTE 274M(1080p, 1920x1080) : 25, 30, 29.97 fps Input format auto detection
	Connectors	16ch, 75Ω BNC connector
VIDEO OUTPUT		HDMI
		1, 4, 9, 10, 13, 16 split-screen
		User defined sequence / Alarm pop-up 1920 x 1080p via HDMI port
RECORDING	Compression	H.264 / JPEG
	Resolution	1920 x 1080
	Rate	120/100fps at 1080p
	Quality	1080p, 10 levels up to 12Mbps
	Mode	Manual & Event / Schedule & Event / Continuous & Event
PLAY BACK	Schedule	24hrs / 7days
	Mode	Instant playback / search
	Speed	Max. 120/100fps at 1080p
	Search type	Time, Calendar, Timeline, Event, Thumbnail, Smart, Text
	Block playback	24hours ~ 99days
EVENT & ALARM	Event source	MD(Motion Detection), Sensor, Text, Video Loss
	Event check schedule	24hrs / 7days
	Event action	Buzzer, Relay, E-mail, FTP, Alarm pop-up
	MD area	15 x 10
	Sensor input	Dry contact (NO or NC selectable)
SYSTEM ALARM	Text input	POS/ATM support, AVE VSI Pro/Hydra support
	Alarm source	HDD fail, HDD almost full, Password fail, WRS fail
	Alarm action	Warning message, Buzzer, E-mail, Relay
AUDIO	Input/output	Input 4ch RCA / output HDMI
	Compression	16KHz, 16bit sampling ADPCM
	Direction	Both
PTZ	Protocols	35 models including Pelco-D, Pelco-P, Samsung, Panasonic and others
NETWORK	Interface	1 Gigabit Ethernet (10/100/1000Mbps)
	Type	Static IP, Dynamic IP, xDSL
	DDNS	WNS, DynDNS, NoIP, WRS
	Bandwidth limit	Supported
	NTP	Server / Client / Both
	Users	10 monitoring, 2 playback
	Streaming	1 HD, H.264 stream, Same as recording setting 1 additional H.264 stream, nHD(640 x 360) 1 JPEG stream, nHD(640 x 360) for e-mail or mobile
SECURITY	User level	1 admin, 10 users
	User privilege	Menu, PTZ, Relay, Playback, Power, Copy, Network MIC
	IP filtering	Supported

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STORAGE & BACKUP	Storage devices	2 internal SATA HDDs
	File system	Proprietary file system, Data-loss protection against power-failure
	Backup type	Multi-channel or Single channel avi file
	Backup device	USB drive (2 ports)
	S.M.A.R.T.	Temperature and Health checking
SERIAL & I/O	Serial port	1 RS-232C, 2 RS-485
	Sensor input	16 Dry-contacts
	Relay output	2 Relays
CONTROLLER	Device	Front panel, IR remote, Joystick Keyboard, Mouse
SOFTWARE	Web viewer	Monitoring / Event / PTZ / Playback with IE
	Java viewer	Monitoring / Event/ PTZ with IE, Chrome, Safari
	Mobile viewer	Monitoring / PTZ / LogView with iPhone & Android
	CMS	Control Center Standard, Max. 1024 DVRs
	SDK	ActiveX(COM) SDK
ENVIRONMENTAL & PHYSICAL	Dimension	350(W) x 393(D) x 88(H) mm
	Weight	8 Kg (No HDD)
	Operating Temperature	5°C~45°C (41°F ~ 113°F)
	Power	AC free volt (100 ~ 240VAC), 50/60Hz
	Power consumption	Max. 75W Typical 50W (1HDD)
	Approval	FCC, CE, RoHS

Dimensions

