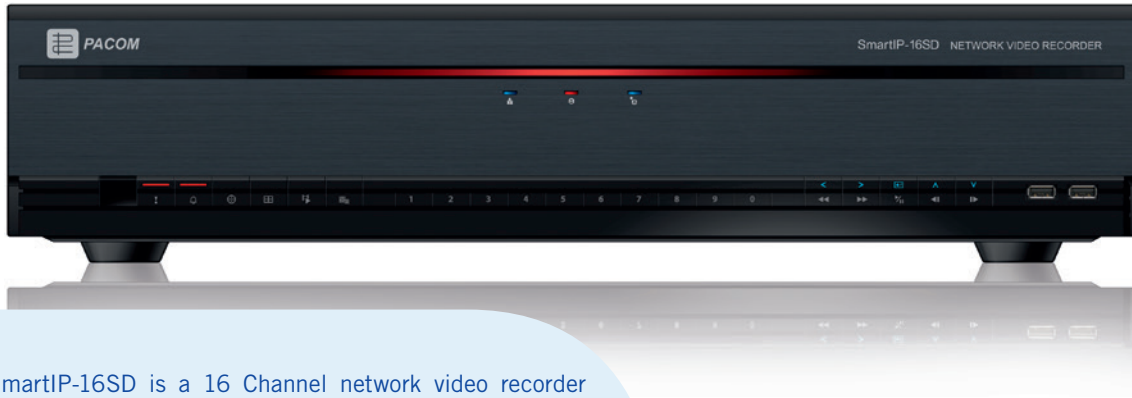




PACOM

16 Channel HD Network Video Recorder SmartIP-16SD (S45905)



The Pacom SmartIP-16SD is a 16 Channel network video recorder capable of recording a range of IP cameras including EVOnet (gen3), Panasonic, Axis and ONVIF profile “S” third party cameras. The in-built 8 channel PoE gigabit switch provides data and power connections over Ethernet cable from NVR to camera, making ‘plug & play’ installation and configuration easy.

The SmartIP-16SD NVR comes equipped with a 3TB Hard Drive and has the capacity for 3 more HDD’s within the unit. Additional storage can be provided by connecting up to 2 of the PAC-DS104A (4 bay storage array) to any of the 2 x eSATA ports in the back of the unit.

The SmartIP-16SD provides real-time recording @ 1 Megapixel (720p) or 15ips @ 2 Megapixel (1080p) per channel and can be configured to record in a number of different recording modes such as Time-lapse, Event, Pre-event and Panic recording (camera model specific).

Viewing images is straight forward via the HDMI/VGA monitor outputs, which provide Full HD resolution (1080p). This gives operators the ability to zoom in and view greater image details either in live view or playback when compared to the traditional analogue type system.

Control of the SmartIP-16SD is via the supplied mouse, IR remote control or from the front fascia control buttons.

On power up for the first time, the system will auto detect and configure the EVOnet (gen3) range of IP cameras. Once completed, the system will be in the record mode and further adjustments can be made through the menu structure. Using the advanced menu options, third party cameras can also be setup and configured.

To provide easier setup and operation, the SmartIP-16SD NVR is equipped with the DirectIP™ protocol. DirectIP™ is a protocol designed to provide customers with a HD surveillance solution which is easy to use, simple to install and quick to configure through ‘plug-and-play’ capabilities. The DirectIP™ protocol has been applied to the EVOnet (gen3) IP cameras, the SmartIP NVRs and accessories such as the SmartIP-SW PoE switches which are all designed to be optimised within a network.

The SmartIP-16SD NVR can be connected to the Pacom PNVR range of recorders providing expansion and connectivity to existing systems allowing the PNVR’s SiRiS Graphical User Interface to control and setup the SmartIP system. Alternatively remote access to the SmartIP NVR’s is provided via the RASplusIP monitoring software which is included with each SmartIP NVR. Mobile access is also available via smartphones and tablets.

KEY FEATURES

- 16 Channel real-time recording @ 720p
- 16 Channel real-time live display
- User-friendly Graphical User Interface (GUI)
- Built-in 8 Channel PoE Switch and expandable up to 16 Channel using the SmartIP-SW Gigabit range of PoE Switches
- 4 x Internal SATA Hard drives + 2 x eSATA ports (external storage)
- Audio Recording and Audio Playback
- Alarm Connections Include: Input and Output
- Supports third party cameras (Axis, Panasonic, ONVIF™ profile “S”)
- IR Remote Control
- Self-diagnostics with automatic notification including hard disk drive S.M.A.R.T. protocol

APPLICATIONS

There is a range of Smart IP NVRs ideal for all applications requiring 4, 8, 16 or 32 cameras to be recorded. Below are some examples:

1. **Retail.** Small retail stores including milk bars, specialty shops, small restaurants, and others.
2. **Healthcare.** Small clinics offering dental, general medical services, x-rays, and more.
3. **Government.** Local government branches, post office branches, and more.
4. **Banking and Finance.** Customer service areas such as small branch offices and self-service areas such as ATM locations.
5. **Education.** Small TAFE branches, childcare centres, and more.

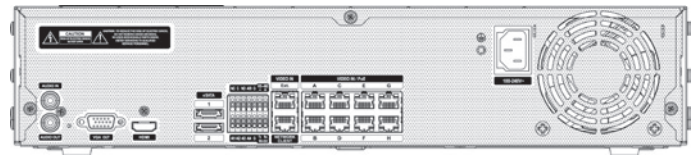
16 Channel HD Network Video Recorder

SmartIP-16SD (S45905)

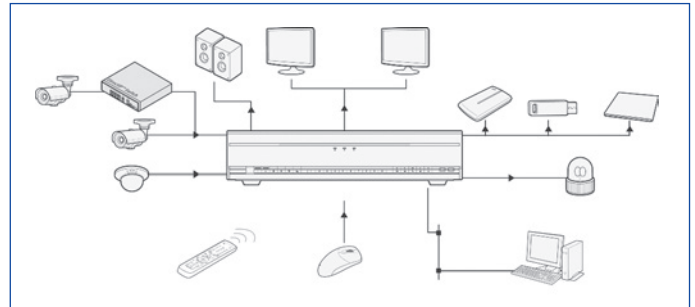
SPECIFICATIONS

VIDEO	
Video Inputs	16 IP cameras
Supports Camera	EVOnet, DirectIP™, Axis, Panasonic, ONVIF™
Video Outputs	1 HDMI, 1 VGA OUT
Display Resolutions	1920 x 1080, 1680 x 1050
Display Speed	16 Channel real-time live
Digital Zoom	x2, x3, x4
RECORDING	
Video Compression	H.264
Max. Throughput	130Mbps
Recording Resolutions	1920x1080, 1280x720, 704x480, 352x240 (Depending on IP Camera)
Recording Rate	4CIF : 480 ips, 1MP (720p) : 480 ips, 2MP (1080p) : 240 ips
Recording Modes	Time-lapse, Event, Pre-event, Panic
Trigger Events	Alarm in, Audio detection, Motion detection, Trip-zone, Tampering, Video loss
PLAYBACK	
Performance	4 Channel Full HD synchronous playback
Search Modes	Time-lapse, Event log, Motion, Text-in
Digital Zoom	x2
STORAGE	
Internal	SATA HDD x 4 (supplied with 1 x 3TB HDD)
External	eSATA x2 ports (Up to 3TB capacity for each HDD)(use S45910 PAC-DS104A, 4 bay Storage)
Total Capacity	36TB=3TB x 4 (Internal) + 2 x 4 (External)
NETWORK	
Connection	Gigabit Ethernet (Remote) x 1 + Gigabit Ethernet (IP Camera) x 9
Camera Power	PoE (IEEE802.3af) x 8
Remote Data Export	Clip Copy, AVI, JPG
Event Notification	Email (Attach MP4), Callback to Remote S/W, Push Notification (IOS, Android), SNS (Twitter)
Two-way Audio	RASplusIP ~ EVOnet GEN3, RASplusIP ~ SmartIP series, SmartIP series ~ EVOnet GEN3
Client Viewer	Mobile Apps, webguard, RASplusIP
INTERFACE	
Audio In / Out	Local (NVR) : 1 RCA / 1RCA + 1HDMI, (IP Camera : 16 (Depending on IP Camera))
Alarm In	Local (NVR) : 4 TTL, (IP Camera : 16 (Depending on IP Camera))
Alarm Out	Local(NVR) : 1 Relay Out / IP Camera: 16(Depending on IP Camera Spec.)
Alarm Reset In	1 TTL
Serial Interface	RS232 (Terminal block), RS485 (Terminal block)
USB	USB 2.0 x 2
User Interface	Front buttons, Mouse, IR remote control, Remote Keyboard
Event Notification	Email (Attach MP4), Callback to Remote S/W, Push Notification (IOS, Android), SNS (Twitter)
GENERAL	
Operating System	Embedded Linux
UNIT Dimensions (W x H x D)	430mm (W) x 88mm (H) x 410.8mm (D)
Unit Weight	7.6kg (With 4HDDs)
Working Temperature	5 °C ~ 40 °C
Operating Humidity	0% ~ 90%
Input Power	AC 100-240 V, 50/60Hz, 1.2 ~ 0.6A
Power Consumption	Max. 200W(w/t 4HDD)
Approvals	FCC, UL, CE, CB, KC

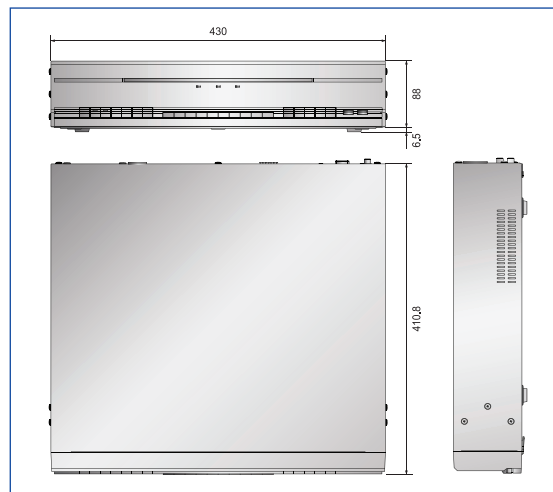
BACK PANEL



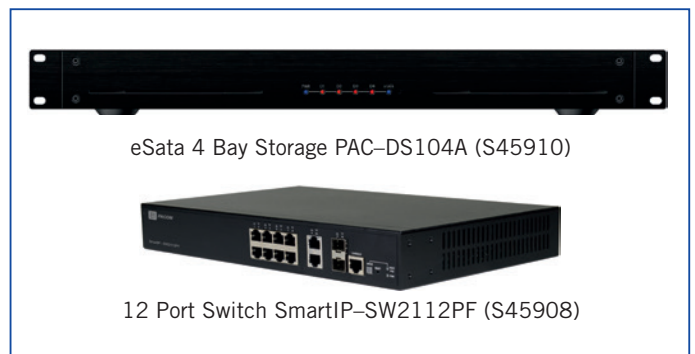
CONNECTION DIAGRAM



DIMENSIONS



OPTIONAL ACCESSORIES



available at: