SC-416128-TX
Series NVR

Introduction:

The SC-416128-TX series NVR (Network Video Recorder) is a new generation recorder developed by Sec-On independently. Combined with multiple advanced technologies, such as audio and video decoding technology, embedded system technology, storage technology, network technology and intelligent technology, it can both work alone as a recorder and cooperate with other device to build a comprehensive surveillance system.

The SC-416128-TX series NVR can be widely applied in the areas of finance, public security, military, communication, transportation, education, etc.

Main Features:

Professional and Reliable
- Pluggable HDD design provides a convenient HDD installation and maintenance way; Unique chassis based on patented design ensures environmental friendly and low-noise running.
- Adopt professional embedded hardware and software, and pioneering dual-OS design to ensure the reliability of system running.
- Support redundant power supply to improve the system stability.
- Adopt ANR technology to enhance the storage reliability when the network disconnected.
- Supports HDD hot swap with RAID0, RAID1, RAID5, RAID10 storage scheme configurable.
- Either normal or hot spare working mode is configurable to constitute an N+1 hot spare system.

HD Input
- Connectable to the third-party network cameras like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO.
- Up to 128/256 IP cameras can be connected.
- Support live view, storage, and playback of the connected camera at up to 8 megapixels resolution.

HD Output
- Simultaneous HDMI1/VGA output as the main output and the HDMI2 works as the auxiliary output.
- Video outputs at up to 1920×1080 resolution.
- Powerful decoding capacity SC-416128-TX support decoding up to 44 channels at 1080P resolution.

HD Storage
- Up to 16 SATA hard disks can be connected, for both recording and backup.
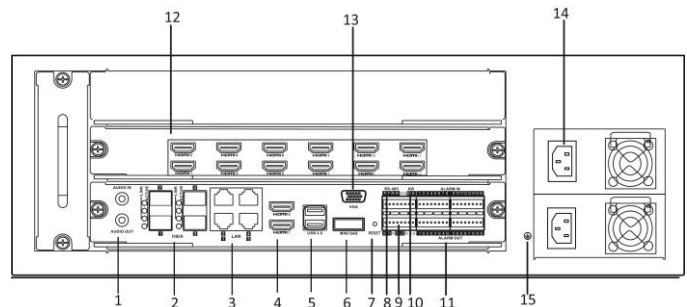
HD Transmission
- 4 self-adaptive 10M/100M/1000M network interfaces and 4 1000M optical fiber interfaces.
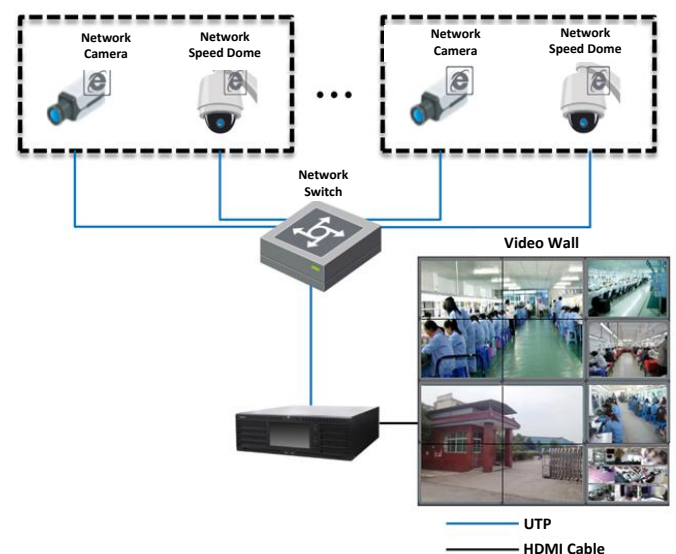
Various Applications
- Centralized management of IP cameras is supported, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- Connectable to smart IP cameras from Sec-On and the recording, playing back, and backing up of VCA alarms can be realized.
- VCA detection alarm is supported.
- VCA search for face detection, behavior analysis, people counting and heat map.
- New GUI and support starting record with one key.
- Realize instant playback for assigned channel during multi-channel display mode.
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency.
- Support HDD quota and group modes; different capacity can be assigned to different channels.

Physical Interfaces:

Index	Name
1	RCA connector for audio output and output
2	4 Fiber Optic Interfaces
3	4 LAN network interfaces
4	2 HDMI video output connectors
5	USB 3.0 Interfaces
6	miniSAS Interface (optional)
7	Reset the device.
8	RS-485 Interface
9	RS-232 Interface
10	Controller Port
11	ALARM IN and ALARM OUT
12	HDMI Output Extension Board
13	VGA Interface
14	100~240VAC Power Input
15	GND

Typical Application:

Specifications:

Model		SC-416128-TX
Video/Audio input	**IP video input**	128-ch
		Up to 8MP resolution
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1kΩ)
Network	**Incoming bandwidth**	400Mbps
	Outgoing bandwidth	400Mbps
	Remote connection	256
Video/Audio output	**Recording resolution**	8MP /6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	HDMI1/VGA1 output resolution	1-ch, 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
	HDMI2 output	1-ch, 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
	HDMI outputs (on HDMI Output Extension Board)	12-ch (for /H and /H/I models only), 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
	LCD Screen	Available for /H and /H/I models only
	Audio output	1-ch, RCA (2.0Vp-p, 1KΩ)
Decoding	**Live view / Playback resolution**	8MP /6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Synchronous playback	16-ch
	Capability	SC-41600-TX and SC-41600-TX 8-ch@1080P SC-41600-TX and SC41600-TX: 44-ch@1080P
Hard disk	**SATA**	16 SATA interfaces for 16HDDs
	miniSAS (Optional)	1 miniSAS interface
	Capacity	Up to 6TB capacity for each HDD
Disk array	**Array type**	RAID0, RAID1, RAID5, RAID10
	Number of arrays	16
External interface	**Network interface**	4, RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface
	Optic fiber interface	4, 1000 Mbps optic fiber interface
	Serial interface	RS-232; RS-485; Keyboard
	USB interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
	Alarm in/out	16 / 8
General	**Power supply**	100 ~ 240 VAC, 50 ~ 60 Hz
	Max. Power	300 W
	Consumption (without hard disk)	≤100 W
	Working temperature	-10ºC ~ +55ºC (14ºF ~ 131ºF)
	Working humidity	10 % ~ 90 %
	Chassis	19-inch rack-mounted 3U chassis
	Dimensions(W × D × H)	442 × 494 ×146 mm (17.4" ×19.4"× 5.7")
	Weight(without hard disk)	≤ 15.5Kg (34.2 lb)