AHD TURBO HYBRID DVR

Security Industries SI

Compatible with analogue CCTV, AHD (Analogue High Definition) and IP cameras, transmits high definition video over traditional coaxial cable for longer distances without signal quality loss.

Available Model:

8 CH SI108T

FEATURES

- 8 input IP, AHD 1080p or Analogue Hybrid Turbo DVR
- Outstanding picture quality H.264 video compression
- HDMI, VGA and Composite (CVBS) outputs with 3D de-interlace & de-noise for best picture quality, resolution up to 1920 x 1080
- Hexaplex operation — simultaneous Recording, Live View, Playback, Back Up, Control & Remote Access
- Full HD Record and Playback capability — IP-Cameras: 240 / 200fps@1080p max.; Analogue: 120fps@1080p, 240fps@1080p-lite / 720p / 960H max
- Up to 80Mbps incoming IP-Camera bandwidth
- 1 internal hard disk drive bay for storage up to 6TB (**hard disk drive is not included**)
- 1 eSata / NAS extension port to connect external HDD Enclosure for additional Hard Disk Drives
- Footage playback search by time or event (Alarm, Motion, or Video Loss)
- Digital watermarking
- USB optical mouse included

REMOTE

- DVR browser utility
- Two-way audio function permits listening and talkback
- Motion detection with programmable area and sensitivity
- Powerful alarm processor with configurable triggering conditions and reactions
- Push alarm notification to Android & Apple portable devices including mobile phones
- Remote access through web browser or proprietary remote software
- FTP video & audio storage, remote setup and software upgrade
- Free DDNS server
- UPnP, P2P and QR code setup supported
- Multi-level password & authentication key protection ensures a high degree of security
- Included interactive graphical mapping software (HEM) allows remote management of up to 10 DVRs.
- Android / Apple smartphones and tablets apps available at no charge
- GPS & POS support

		SI108T
System	Operating System	Embedded Linux 3.0
	Multiplex	Hexaplex operation, simultaneous record, live, playback, backup, control & remote access
Video	Format	IP-Camera with ONVIF Profile S Support; Analogue: NTSC / EIA or PAL / CCIR AHD or Analogue
	Input	IP-Camera: Up to 8 CH 1080p / 720p; Analogue: Up to 8-CH AHD 1080p, BNC, 1Vp-p /75ohm
	Main Monitor	HDMI with resolution 1920 x 1080, VGA with resolution 1920 x 1080, ; BNC 1Vp-p/75ohm
	Call Monitor	BNC, 1Vp-p/75ohm, shared with main monitor
	Motion Detection	Yes, with configurable detection area & sensitivity adjustable for each camera
Audio	Input	1 RCA Jack Connectors, line-in level < 1Vrms
	Output	HDMI, 1 RCA Jack Connector, line-out level < 1Vrms

RECORDING

Compression	PAL	IP-Camera: H.264; Video: H.264 Main Profile ; Audio: ADPCM
Max Frame Rate & Resolution		IP-Camera 240 / 200fps@1080p / 720p (up to 80Mbps incoming bandwidth for IP-Camera) ; Analogue: 120fps@1080p, 240fps@1080p-lite / 720p / 960H
Mode		Manual / Schedule / Alarm / Motion
Watermark		Yes

STORAGE

Hard Disk Drive	Internal	1 internal 3.5" SATA hard disk drive bay for storage up to 6TB Failure detection, privacy law supported
Extension		1 eSATA / NAS connector for additional hard disk drives
Back Up		2 USB 2.0 ports (USB port for Pendrive, external hard disk, External DVD); Self playback for backup files; FTP / HEM back up

DISPLAY

Resolution		HDMI / VGA — up to 1920 x 1080 ; PAL — 720 x 576; Digital Zoom x2, x4
Split Windows		1 / 4 / 7 / 9
Frame Rate		120fps@1080p, 240fps@1080p-lite / 720p / 960H

PLAYBACK

Max Frame Rate		Up to 30 / 25 fps per display window
Search		Date / Time / Motion / Video Loss / Camera / Smart Search / Alarm
Operation		Play, Fast Forward, Backward, Pause, Stop, Snapshot

ALARM

Input		8 contact or TTL / CMOS signals, polarity selectable
Output		1 Normally Open or Normally Closed relay output
Motion Detection		Detection areas and sensitivity adjustable for each camera channel

NETWORK

PoE		N/A
Connection		1 x RJ45, 10/100M Ethernet Connector
PTZ Control		Pelco D, Pelco P, Samsung SCC-641P, Kalatel Cyber Dome, Bosch Auto Dome and other protocols
Event Communication	Email / Push Alarm	Alarm notification to stationary or mobile devices
Detected Events	Type	Motion detection, video loss, input alarms, full disk, hard disk fail
Video		1/4/7/9 split-window & SEQ mode for I.E and HEM; Dynamic electronics maps for HEM; N-Streaming live view
Communications	Protocols	TCP / IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP, NTP, RTSP, UPnP, P2P
	Ports	Independent configuration for data and control

USER INTERFACE

Protection		Multi-level Password (4) and multi-user (18)
System Recovery		Auto power on after power loss recovery; Watch Dog Timer
Timer		Built-in real time clock
Setup	Local	Frontal keyboard, USB mouse, remote control, optional control keyboard
	Remotely	Setup & upload via Windows / Mac / iPad / Android phone & tablet application software
Users		Max 8 users simultaneously
Remote Access	PC Windows / MAC	Support Windows 8/7/Vista/XP/2003, I.E/Firefox/Chrome/App, N-Streaming live view, Full DVR management (unlimited number of DVRs) HEM: Full management (up to 10 DVRs) with interactive graphical maps
	Smartphones & Tablets (Android & Apple)	Live (Quad/Full screen) with adjustable resolution, input alarms, Search by Time / Events, Snapshot, Log file
Control / POS / GPS	RS-485	2-pin for keyboard, POS and / or PTZ control
	RS-232	1 D-type male connector for PTZ, keyboard, POS, or GPS
	Remote Control	Available separately: I.R. remote control to operate up to 4 NVRs, optional extension cable

GENERAL

Dimensions		320(W) x 210(D) x 50(H) mm
Weight		2.0kg (without HDD)
Power	Source	+12VDC
	Consumption	36W Max
Operating Temperature		0°C ~ +45°C