

compact DESKTOP STANDALONE

SP-2000 series

DVR

The all-new SP-2000 mini-desktop is an embedded digital video recorder that utilizes leading edge advanced MPEG4 video codec technology to provide superior video quality and reduced bandwidth.

The SP-2000 mini-desktop is incredibly compact, sporting a sleek and distinctive black finish that works in a variety of business environments from a desktop to a storage closet.

Providing great value and functionality at an affordable price, the SP-2000 can work as a stand-alone unit or as part of a surveillance network. It can be widely used in small to medium-sized buildings, retail areas, commercial spaces, warehouses, banks, etc.



HIGH VIDEO QUALITY



Real-time Recording using MPEG4 Technology

- supports up to 16 video channels and recording at up to 30FPS using advanced hardware MPEG4 compression



High Resolution Images

- delivers excellent DVD quality videos on display and recording

POWERFUL NETWORK MONITORING



Remote Surveillance

- includes remote client software for multi-site surveillance and management; delivers high resolution remote video quality



Multi-devices monitoring via web

- enables simultaneous access from multiple devices such as pc and mobile phones/PDA with minimum use of bandwidth



Multi-video streaming

- supports simultaneous MPEG4 and JPEG streaming



DDNS support

- supports static IP, dynamic IP and dynamic domain name system (DDNS) for easy remote connection



INTEGRATION FLEXIBILITY



ATM/POS Ready

- supports ATM/POS video text overlay and video auditing



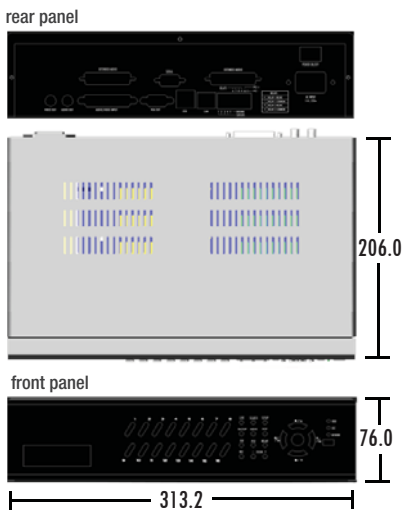
Sensors and Alarms Integration

- can be integrated with other security devices such as access control, fire, smoke detectors, contact sensors, warning lights and other relay and sensor devices

USER CONVENIENCE

DIMENSIONS

UNIT: mm



Easy Backup via USB

- allows easy backup of video files on external USB 2.0 storage devices (hard disk, usb flash disk, etc.)



Easy to use, compact design

- features a space-saving compact design with user-friendly front panel buttons and remote control for quick and easy operation



Alarms & Notification

- notify service via SMS, Email and audible alarms



Functionality & Affordability combined

- offers D1 high resolution video real-time recording and other necessary functions at an affordable price

APPLICATIONS



TECHNICAL SPECIFICATIONS

	SP-2004	SP-2008	SP-2016
Video			
Input	4 channels DB25 Cable, BNC Connectors ITU-R BT, 656 format NTSC/PAL	8 channels DB25 Cable, BNC Connectors ITU-R BT, 656 format NTSC/PAL	16 channels DB25 Cable, BNC Connectors ITU-R BT, 656 format NTSC/PAL
Output	1 RCA mux output (ITU-R BT, 656) 1 VGA mux output	1 RCA mux output (ITU-R BT, 656) 1 VGA mux output	1 RCA mux output (ITU-R BT, 656) 1 VGA mux output
Compression	ISO/IEC 14496-2 MPEG4 SOP@Level 1,2,3	ISO/IEC 14496-2 MPEG4 SOP@Level 1,2,3	ISO/IEC 14496-2 MPEG4 SOP@Level 1,2,3
Recording	Hardware MPEG4 Encoder/Decoder NTSC: 120 fps @ 360x240; 120 fps @ 720x240; 60 fps @ 720x480; PAL: 100 fps @ 360x288 100 fps @ 720x288 50 fps @ 720x576	Hardware MPEG4 Encoder/Decoder NTSC: 240 fps @ 360x240; 120 fps @ 720x240; 60 fps @ 720x480; PAL: 200 fps @ 360x288 100 fps @ 720x288 50 fps @ 720x576	Hardware MPEG4 Encoder/Decoder NTSC: 240 fps @ 360x240; 120 fps @ 720x240; 60 fps @ 720x480; PAL: 200 fps @ 360x288 100 fps @ 720x288 50 fps @ 720x576
Playback	NTSC: 120 fps @ 360x240; 120 fps @ 720x240; 60 fps @ 720x480; PAL: 100 fps @ 360x288 100 fps @ 720x288 50 fps @ 720x576	NTSC: 240 fps @ 360x240; 120 fps @ 720x240; 60 fps @ 720x480; PAL: 200 fps @ 360x288 100 fps @ 720x288 50 fps @ 720x576	NTSC: 240 fps @ 360x240; 120 fps @ 720x240; 60 fps @ 720x480; PAL: 200 fps @ 360x288 100 fps @ 720x288 50 fps @ 720x576
Live Display	120fps NTSC; 100fps PAL	240fps NTSC; 200fps PAL	480fps NTSC; 400fps PAL
Audio			
Compression	G.723.1	G.723.1	G.723.1
Sampling Rate	8KHz	8KHz	8KHz
Input	4 channels DB25 (shared with video) RCA	8 channels DB25 (shared with video) RCA	16 channels DB25 (shared with video) RCA
Output	1 channel output	1 channel output	1 channel output
Peripherals	RS485, RS232, (2) USB 2.0	RS485, RS232, (2) USB 2.0	RS485, RS232, (2) USB 2.0
Sensor Inputs	4 channel	4 channel	4 channel
Relay Outputs	8 ch (optional) 2 channel	8 ch (optional) 2 channel	2x8 ch (optional) 2 channel
Storage	4 ch (optional)	4 ch (optional)	2x4 ch (optional)
Control Device	2 HDD (2 IDE or 1 IDE + 1 SATA) IR Remote Controller, Front Panel buttons	2 HDD (2 IDE or 1 IDE + 1 SATA) IR Remote Controller, Front Panel buttons	2 HDD (2 IDE or 1 IDE + 1 SATA) IR Remote Controller, Front Panel buttons
CPU	ARM9-Based SOC	ARM9-Based SOC	ARM9-Based SOC
Operating System	Linux Kernel 2.6	Linux Kernel 2.6	Linux Kernel 2.6