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SH-8100A5N-8L(M M)-V2 IP Dynamic Hybrid DVR

PROVISION-ISR SH-16200A5-8L(1U) IP Dynamic Hybrid Instructions

Contents

PROVISION-ISR SH-16200A5-8L(1U) IP Dynamic Hybrid

Product Information

Product Specifications

- **Model:** SH-16200A5-8L(1U)
- **Channels:** 16CH 4 In1 + 8CH IP
- **Video Compression:** H.264-H265
- **Storage Volume:** Dynamic Hybrid Technology
- **Alarm Inputs:** 16 + 4 alarm outputs
- **Analytics Support:** Provision-ISR Standard Video Analytics

Product Usage Instructions

Main Features

- Dynamic Hybrid Technology for flexible analog channel configurations.
- Support for various recording modes like Schedule, Manual, Motion, Sensor, Analytics, and POS.
- Multiple video input options including Standard BNC and IP channels.
- Audio support with Audio-In, Audio-Out, Two-Way Audio, and Audio Compression.
- Event and Analytics features include SMD Support, DDA Analytics, and Pixel-Based Analytics.
- Main resolution options with different FPS rates.
- Video output options include HDMI, VGA, and CVBS.

Remote Access and Playback
The DVR supports remote access through mobile apps, PC/Mac software, and web browsers without the need for plugins. Users can view live streams and playback recordings remotely with professional authority management.

Backup and Storage
Users can backup data via USB in specified formats. The DVR supports multiple storage options including HDDs and E-Sata for maximum capacity. It also allows for PTZ connections with supported protocols and controls for enhanced functionality.

Frequently Asked Questions

What is the maximum number of channels supported for remote viewing?

The DVR supports a maximum of 120 channels for remote viewing, limited by the outgoing bandwidth capacity.

What are the supported video compression formats?

The DVR supports H.265 and H.264 video compression formats for efficient storage and transmission of video data.

How many audio channels can be connected to the DVR?

The DVR supports 8CH RCA audio inputs along with IP cameras and 1CH RCA audio output for audio transmission.

Can the DVR be accessed remotely without plugins?

Yes, the DVR allows remote access through mobile apps, PC/Mac software, and plug-in free web browsers for convenient viewing and playback.

What are the supported recording modes?

The DVR supports various recording modes including Time-Slice, Time, Event, File Management, and Smart Search for efficient data storage and retrieval.
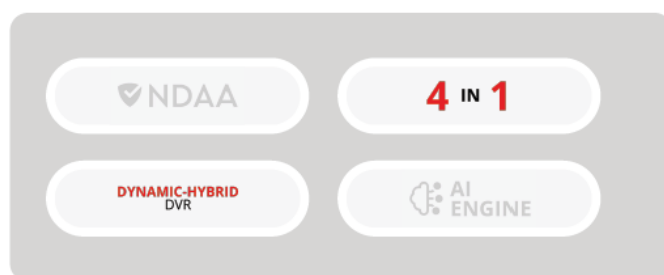
Introduction

DVR
Provision-ISR DVRs feature the advanced H.264-H265 video compression format for maximum video quality alongside minimum storage volume. Their Dynamic Hybrid function allows installers to decide how the analog channels will work according to the installation needs, making this installation totally dynamic.

SH-16200A5-8L(1U)
16CH "4 In1" + 8CH IP Dynamic Hybrid DVR

Provision-ISR SH-16200A5-8L(1U) is a high quality digital video recorder featuring Dynamic Hybrid Technology. This technology allows the user to decide how the analog channels have to work according to the installation needs. The recorder features 16 alarm inputs + 4 alarm outputs and supports Provision-ISR Standard Video Analitycs.

MAIN FEATURES

- SH-16200A5-8L(1U) Video Input: 16CH Standard BNC + 8CH IP

Video Output:

- HDMI – 4K
- VGA
- **CVBS Recording:**
- HD Analog: 8MP Lite / 5MP / 4MP: Up to 15/12FPS Per Channel /5MP Lite: Up to 20FPS Per Channel / 4MP Lite / 2MP / 1MP: Up to 25/30FPS Per Channel
- 960H: Up to 30/25FPS Per Channel
- IP: 8MP and lower: 25/30FPS Per Channel Playback:
- Local: 16Ch Simultaneously
- Remote: 8Ch Simultaneously Audio:
- Input: 8CH + IPC Inputs
- Output: 1CH + IPC Outputs Alarm:
- Input: 16+IPC
- Output: 4+IPC Storage:
- 2 x SATA (Up to 8TB each)
- 1 x E-SATA (Up to 8TB each) Network:
- 1 x RJ-45: 10/100/1000Mbps PTZ Support:
- RS-485 / CoC / IP-Over Network Power Supply:
- DC12V/2A Analytics: AI by IPC:
- DDA1 Analytics Supported by the camera Based on FW Version: v1.3.8 Features subject to firmware version changes

https://provision-isr.com

SPECIFICATIONS

NDAA Compliant

- NDAA Compliant No

General

- Technology Dynamic Hybrid
- Recording Modes Schedule, Manual, Motion, Sensor, Analytics, POS
- Format "All in 1" Hybrid (AHD / CVI / TVI / CVBS + IP)

Video Input

- Video Input (Max Analog) 16CH Standard BNC + 8CH IP (Over Network)
- Video Input (Max IP) 16CH IP (Over Network) + 8CH Standard BNC
- 3K Input Support No

Video Output

- Video Output HDMI(4K, 1920×1080), VGA (1280×1024, 1024×768), CVBS(Spot)
- Dual Output Mirrored

Audio

- Audio-In 8CH RCA (2.0 Vp-p, 1 kΩ) (+IP Cameras)
- Audio-Out 1CH RCA (2.0 Vp-p, 1 kΩ)
- Audio Over Coax No
- Two-Way Audio Yes
- Audio Compression G.711u

Events and Analytics

- SMD Support No
- DDA Analytics (On Analog Channels) No
- Pixel-Based Analytics Yes

Main Resolution and FPS

- IP Main Stream 8MP and lower: 25/30FPS Per Channel
- AHD 8MP Lite / 5MP / 4MP: Up to 15/12FPS Per Channel, 5MP Lite: Up to 20FPS Per Channel, 4MP Lite / 2MP / 1MP: Up to 25/30FPS Per Channel
- TVI 8MP Lite / 5MP / 4MP: Up to 15/12FPS Per Channel, 5MP Lite: Up to 20FPS Per
- Channel, 4MP Lite / 2MP / 1MP: Up to 25/30FPS Per Channel
- CVI 4MP: Up to 15/12FPS Per Channel, 2MP / 1MP: Up to 25/30FPS Per Channel
- CVBS Main Stream 960H: Up to 30/25FPS Per Channel
- Master Stream Over Network Up to 20Ch@Recording Resolution (Up to 40Mbps)

Network (Substream) Resolution and FPS

- HD Analog 1-25/30FPS@1080P Per Channel
- IP Sub Stream 1-25/30FPS@D1 Per Channel
- CVBS Sub Stream 1-25/30FPS@D1 Per Channel
- Substreams over Network Restricted to 96Mbps

Remote view

- Max Channel View 120Ch (Limited to Outgoing Bandwidth Capacity)

Video Compression

- Video Compression H.265+H.264

Record

- Recording Mode Dual Stream

Remote Applications

- User Access 5 Users Online with Professional Authority Management
- Mobile App Provision Cam2 for iOS/Android
- PC/Mac Software Ossia VMS Standard / Enterprise
- Plug-in free Web-Browser Chrome, FireFox, Safari, Edge, Opera (All Limited to 4Ch Live View / Playback)

- Plug-in based Web-Browser Internet Explorer

Bandwidth

- Incoming 64Mbps (For 16 IP Channels) / 32Mbps (For 8 IP Channels)
- Outgoing 96Mbps

Playback

- Local Playback Channels 16Ch
- Remote Playback Channels 8Ch
- Search Modes Time-Slice, Time, Event, File Management, Smart Search

Backup

- USB 2 USB 2.0 Port
- Backup Format AVI/DAT

Alarm

- Alarm-in 16+IPC
- Alarm-out 4+IPC
- Alarm Box Support Yes

Storage

- HDD Max Capacity 8TB
- Total HDD Max Capacity 24TB
- Number of HDD 2
- E-Sata 1

PTZ

- Connection RS-485 / CoC / IP-Over Network
- Supported Protocols Pelco D, Pelco P, Samsung, Visca, ONVIF, CoC
- Supported Controls Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus

Network

- Ethernet 1000 Mbps (RJ-45)
- Protocols TCP/IP, DHCP, DDNS, NTP, SMTP, RTSP, HTTPS, FTP, SNMP, P2P, POS
- ONVIF Yes (For IP Channels)

Others

- Dimensions W375xD275xH45mm
- Power Supply DC12V/2A
- Operation Temperature 0°C ~50°C

DIMENSIONS

Documents / Resources

PROVISION-ISR SH-16200A5-8L(1U) IP Dynamic Hybrid [pdf] Instructions
SH-16200A5-8L 1U IP Dynamic Hybrid, SH-16200A5-8L 1U, IP Dynamic Hybrid, Dynamic Hybrid, Hybrid

References

- **User Manual**