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PROVISION-ISR SH-8100A5N-8L(MM)-V2 IP Dynamic Hybrid DVR Instructions

Contents

PROVISION-ISR SH-8100A5N-8L(MM)-V2 IP Dynamic Hybrid DVR

Product Information

Product Specifications:

- **Model:** SH-8100A5N-8L(MM)-V2
- **Technology:** Dynamic Hybrid DVR
- **Video Compression Format:** H.264-H265
- **Maximum Analog Video Input Channels:** 8CH
- **Maximum IP Video Input Channels:** 8CH
- **Hybrid DVR Format Support:** AHD / CVI / TVI / CVBS + IP
- **Main Video Resolutions Supported:** HDMI(4K, 1920×1080), VGA (1280×1024), CVBS(Spot)
- **Audio:** Two-way audio, Audio Compression supported
- **Analytics:** SMD Support, DDA Analytics (On Analog Channels), Pixel Based Analytics
- **Video Compression:** H.265 (HEVC) / H.264
- **Remote Access:** Mobile App, PC/Mac Software, Web-Browser (Plug-in free and Plug-in based)
- **Storage:** HDD Max Capacity 8Ch, E-Sata supported
- **Bandwidth:** Incoming 32Mbps, Outgoing 80Mbps

Product Usage Instructions

Installation and Setup:

1. Place the DVR in a secure location near the cameras to be connected.
2. Connect analog and IP cameras to the corresponding input channels on the DVR.

3. Power on the DVR and follow the on-screen setup instructions to configure the system.

Video Recording:

1. Set up recording schedules based on your surveillance needs (Schedule, Manual, Motion, Sensor, Analytics, POS).
2. Ensure sufficient storage capacity is available on the HDD for recording.
3. Monitor the recorded footage through local playback or remote playback channels.

Remote Access:

1. Download the Provision Cam2 app on your iOS or Android device for mobile access.
2. Access the DVR remotely using PC/Mac software or a compatible web browser.

Frequently Asked Questions (FAQ):

- **Q: Can I mix analog and IP cameras on this DVR?**
  A: Yes, the dynamic hybrid technology of this DVR allows you to connect both analog and IP cameras for surveillance.
- **Q: How many users can access the DVR simultaneously?**
  A: Up to 5 users can be online simultaneously with professional authority management.

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.

Introduction

SH-8100A5N-8L(MM)-V2
8CH "4 In 1" + 8CH IP Dynamic Hybrid DVR

Provision-ISR SH-8100A5N-8L(MM)-V2 is a high-quality dynamic hybrid digital video recorder obtainable in an elegant mini metal case. This technology allows users to add advanced IP cameras alongside analog ones and enjoy high-quality images and other advanced features available on IP cameras only. The recorder supports Provision-ISR Standard Video Analitycs (Pixel Based).

MAIIN FEATURES

- SH-8100A5N-8L(MM)-V2 Video Input: 8CH Standard BNC + 8CH
  IP Video Output:
- HDMI – 4K
- VGA
- CVBS Recording:
- HD Analog: 8MP lite / 3K/5MP / 4MP: Up to 12/15FPS Per Channel / 5MP Lite: Up to 20FPS Per Channel /

4MP lite / 2MP /1MP: Up to 25/30FPS Per Channel

- CVBS: 960H: Up to 25/30FPS Per Channel
- IP: 8MP and lower: 25/30FPS Per Channel Playback:
- Local: 8Ch Simultaneously
- Remote: 8Ch Simultaneously Audio:
- Input: 1CH + IPC Inputs
- Output: 1CH + IPC Outputs Alarm:
- Input: IP Cameras only
- Output: IP Cameras only Storage:
- 1 x SATA (Up to 6TB each) Network:
- 1 x RJ-45: 10/100Mbps PTZ Support:
- RS-485 / CoC / IP over Network Power Supply:
- DC12V/ZA Analytics: AI by IPC:
- DDA1 Analytics Supported by the camera AI By DVR:
- AI Object detection, Line Crossing/Sterile Area (Up to 1 channel, at the expense of 4 SMD channels) Based on FW Version: v1.4.0

Features subject to firmware version changes

https://provision-isr.com

SPECIFICATIONS

NDAA Compliant

- NDAA Compliant Yes

General

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

Video Input

- Video Input (Max Analog) 8CH Standard BNC + 8CH IP (Over Network)
- Video Input (Max IP) 16CH IP (Over Network) + 0CH Standard BNC
- 3K Input Support Yes

Video Output

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

Audio

- Audio-In 1CH RCA (2.0 Vp-p, 1 kΩ) (+IP Cameras)
- Audio-Out 1CH RCA (2.0 Vp-p, 1 kΩ) (+IP Cameras)
- Audio Over Coax Yes (TVI Only)
- Two-Way Audio Yes
- Audio Compression G.711u
- Events and Analytics
- SMD Support Yes
- DDA Analytics (On Analog Channels) Yes
- Pixel-Based Analytics Yes

Main Resolution and FPS

- **IP Main Stream** 8MP and lower: 25/30FPS Per Channel
- **AHD** 8MP lite / 3K/5MP / 4MP: Up to 12/15FPS Per Channel, 5MP Lite: Up to 20FPS Per Channel, 4MP lite / 2MP / 1MP: Up to 25/30FPS Per Channel
- **TVI** 8MP lite / 3K/5MP / 4MP: Up to 12/15FPS Per Channel, 5MP Lite: Up to 20FPS Per Channel, 4MP lite / 2MP / 1MP: Up to 25/30FPS Per Channel
- **CVI** 4MP: Up to 12/15FPS Per Channel, 2MP / 1MP: Up to 25/30FPS Per Channel
- **CVBS Main Stream** CVBS: 960H: Up to 25/30FPS Per Channel
- **Master Stream Over Network** 20Ch

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 80 (Outgoing bandwidth limit applies)

Remote view

- Max Channel View 80Ch (Limited to Outgoing Bandwidth Capacity)

Video Compression

- Video Compression H.265 (HEVC) / 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 32Mbps
- Outgoing 80Mbps
- Playback
- Local Playback Channels 8Ch
- 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 IP Cameras only
- Alarm-out IP Cameras only
- Alarm Box Support No

Storage

- HDD Max Capacity 6TB
- Total HDD Max Capacity 6TB
- Number of HDD 1
- E-Sata No

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

Others

- Dimensions W255xD220xH43mm
- Power Supply DC12V/2A
- Operation Temperature 0°C ~50°C

DIMENSIONS

https://provision-isr.com.

Documents / Resources

PROVISION-ISR SH-8100A5N-8L(MM)-V2 IP Dynamic Hybrid DVR [pdf] Instructions
SH-8100A5N-8L MM -V2 IP Dynamic Hybrid DVR, SH-8100A5N-8L MM -V2, IP Dynamic Hybrid
DVR, Dynamic Hybrid DVR, Hybrid DVR, DVR

References

- **User Manual**