

DVR

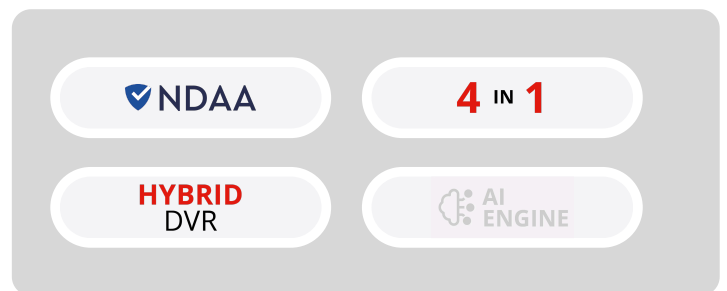
Provision-ISR DVRs feature the advanced H.264-H265 video compression format for maximum video quality alongside minimum storage volume. Their Dynamic Hybrid function allows installers to decide how the analog channels will work according to the installation needs, making this installation totally dynamic.



SH-4050A5N-8L(MM)

4CH "4 in 1" + 2CH IP Dynamic Hybrid DVR

Provision-ISR SH-4050A5N-8L(MM) 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 Analytics (Pixel Based).



MAIN FEATURES

Video Input:

- 4CH Standard BNC + 2CH 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: 20FPS Per Channel, 5MP and lower: 25/30FPS Per Channel

Playback:

- Local: 4Ch Simultaneously
- Remote: 6Ch 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/2A

Analytics:

AI by IPC:

- DDA1 Analytics Supported by the camera

Remarks:

- The following features are based on firmware 138_72487_RD240906 and are subject to firmware version changes.



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) | 4CH Standard BNC + 2CH IP (Over Network) |
| Video Input (Max IP) | 6CH IP (Over Network) + 0CH Standard BNC |
| 3K Input Support | Yes |
| Video Output | |
| Video Output | HDMI(4K, 1920x1080), VGA (1280x1024), CVBS(Spot) |
| Dual Output | Mirrored |
| Audio | |
| Audio-In | 1CH RCA (2.0 Vp-p, 1 k Ω) (+IP Cameras) |
| Audio-Out | 1CH RCA (2.0 Vp-p, 1 k Ω) (+IP Cameras) |
| Audio Over Coax | Yes (TVI Only) |
| Two Way Audio | Yes |
| Audio Compression | G.711u |
| Events and Analytics | |
| SMD (Smart Motion Detection) | No |
| AI Analytics for HD Analog | No |
| Pixel based Analytics for HD Analog | Line Crossing, Sterile Area (No Direction Choice) |
| AI Analytics for IPC | Line Crossing (With Direction Choice), Sterile Area, Object Monitoring, Camera Tampering, Smart Search |

| Main Resolution and FPS | |
|-----------------------------------|--|
| IP Main Stream | 8MP: 20FPS Per Channel, 5MP and lower: 25/30FPS Per Channel |
| AHD | 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 | 8Ch |

| 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 | 30 (Outgoing bandwidth limit applies) |

| Remote view | |
|-------------------------|---|
| Max Channel View | 30Ch (Limited to Outgoing Bandwidth Capacity) |

| Video Compression | |
|--------------------------|----------------------|
| Video Compression | H.265 (HEVC) / H.264 |

| Record | |
|-----------------------|------------------|
| Recording Mode | Main Stream only |

| 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 | 16Mbps |
| Outgoing | 40Mbps |
| Playback | |
| Local Playback Channels | 4Ch |
| Remote Playback Channels | 6Ch |
| 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 |

SH-4050A5N-8L(MM)



| | |
|-----------------------|---|
| 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

