

## 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-8100A5N-5L(MM)-V2

## 8CH "4 in 1" + 4CH IP Dynamic Hybrid DVR

Provision-ISR SH-8100A5N-5L(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 complies with NDAA demands and supports Provision-ISR's DDA Video Analytics for analog & IP cameras.



NDAA

4 IN 1

HYBRID  
DVR

AI  
ENGINE

## MAIN FEATURES

### Video Input:

- 8CH Standard BNC + 4CH IP

### Video Output:

- HDMI - FHD
- VGA
- CVBS

### Recording:

- HD Analog: 3K/5MP Lite: up to 10FPS Per Channel / 4MP Lite / 2MP: up to 12/15FPS Per Channel / 2MP Lite / 1MP: up to 25/30FPS Per Channel
- CVBS: 960H: up to 25/30FPS Per Channel
- IP: 5MP and lower: 25/30FPS Per Channel

### Playback:

- Local: 8Ch Simultaneously
- Remote: 4Ch 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

#### AI By DVR:

- AI Object detection, Line Crossing/Sterile Area (Up to 1 channel, at the expense of 4 SMD channels)

### Remarks:

- The following features are based on firmware v1.4.2.76998\_RD\_250314 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)	8CH Standard BNC + 4CH IP (Over Network)
Video Input (Max IP)	12CH IP (Over Network) + 0CH Standard BNC
3K Input Support	Yes
Video Output	
Video Output	HDMI(1920x1080), VGA (1280x1024, 1024x768), 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	No
Two Way Audio	Yes
Audio Compression	G.711u
Events and Analytics	
SMD (Smart Motion Detection)	8Ch
AI Analytics for HD Analog	AI Object detection, Line Crossing/Sterile Area (Up to 1 channel, at the expense of 4 SMD channels)
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	5MP and lower: 25/30FPS Per Channel
AHD	AHD 3K/5MP Lite: up to 10FPS Per Channel, 4MP Lite / 2MP: up to 12/15FPS Per Channel, 2MP Lite / 1MP: up to 25/30FPS Per Channel
TVI	3K/5MP Lite: up to 10FPS Per Channel, 4MP Lite / 2MP: up to 12/15FPS Per Channel, 2MP Lite / 1MP: up to 25/30FPS Per Channel
CVI	4MP Lite / 2MP: up to 12/15FPS Per Channel, 2MP Lite / 1MP: up to 25/30FPS Per Channel
CVBS Main Stream	CVBS: 960H: up to 25/30FPS Per Channel
Master Stream Over Network	4Ch
Network (Substream) Resolution and FPS	
HD Analog	1-25/30FPS@720P Per Channel (FPS Restricted to Master Stream FPS)
IP Sub Stream	1-25/30FPS@D1 Per Channel
CVBS Sub Stream	1-25/30FPS@D1 Per Channel
Substreams over Network	60 (Outgoing bandwidth limit applies)
Remote view	
Max Channel View	60Ch (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)

# SH-8100A5N-5L(MM)-V2

<b>Plug-in based Web-Browser</b>	Internet Explorer
<b>Bandwidth</b>	
<b>Incoming</b>	32Mbps
<b>Outgoing</b>	60Mbps
<b>Playback</b>	
<b>Local Playback Channels</b>	8Ch
<b>Remote Playback Channels</b>	4Ch
<b>Search Modes</b>	Time-Slice, Time, Event, File Management, Smart Search
<b>Backup</b>	
<b>USB</b>	2 USB 2.0 Port
<b>Backup Format</b>	AVI/DAT
<b>Alarm</b>	
<b>Alarm-in</b>	IP Cameras only
<b>Alarm-out</b>	IP Cameras only
<b>Alarm Box Support</b>	Yes
<b>Storage</b>	
<b>HDD Max Capacity</b>	6TB
<b>Total HDD Max Capacity</b>	6TB
<b>Number of HDD</b>	1
<b>E-Sata</b>	No
<b>PTZ</b>	
<b>Connection</b>	RS-485 / CoC / IP over Network
<b>Supported Protocols</b>	Pelco D, Pelco P, Samsung, Visca, ONVIF, CoC

# SH-8100A5N-5L(MM)-V2



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

# SH-8100A5N-5L(MM)-V2

## DIMENSIONS

