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.

PROVISION ISR
PROTECTING YOUR PRIVACY

SH-4050A5N-8L(MM)-V2

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

Provision-ISR SH-4050A5N-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).

4 CH

8 MP LITE

8MP lite Resolution

AI ENGINE Analytics

CoC Control over coax

NDAA

4 IN **1**

HYBRID DVR

AI ENGINE

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: 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 v142.76998_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)	4CH Standard BNC + 2CH IP (Over Network)
Video Input (Max IP)	6CH IP (Over Network) + 0CH Standard BNC
3K Input Support	No

Video Output	
Video Output	HDMI(4K, 1920x1080), VGA (1280x1024), 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: 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 bandwith 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 Autorithy 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 Exporer

SH-4050A5N-8L(MM)-V2

Bandwidth	
Incoming	16Mbps
Outgoing	40Mbps

Playback	
Local Playback Channels	4Ch
Remote Playback Channels	4Ch
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	Yes

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

Sku	SH-4050A5N-8L(MM)-V2
Short Description	4CH "4 In 1" + 2CH IP Dynamic Hybrid DVR
Description	Provision-ISR SH-4050A5N-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).
Main Features	Total Channels: 6 Dynamic Hybrid 4 in 1 Video output: HDMI(4K), VGA, CVBS(Spot) – Mirrored HDD: 1 SATA (6TB) Alarms: IP Cameras only Audio: 1 RCA in + IPC / 1 RCA out + IPC
Main Icons	
Main Icons (up)	
Other Icons	
Dynamic Hybrid Table (Max HD + Min IP to Min HD + Max IP)	4+2 to 0+6

DIMENSIONS