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-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).

8 CH

8 MP LITE



8MP lite Resolution

4in1

Video Analytics

H.265 H.264

2-Way Audio

CoC Control over coax

NDAA

4 IN 1

HYBRID DVR

AI ENGINE

MAIN 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/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) Based on FW Version: v1.4.0
Features subject to firmware version changes

https://provision-isr.com

SH-8100A5N-8L(MM)-V2

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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, 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

SH-8100A5N-8L(MM)-V2

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 bandwith 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 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-8100A5N-8L(MM)-V2

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

SH-8100A5N-8L(MM)-V2

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-8L(MM)-V2

DIMENSIONS

