

## 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-16200A5N-5L(MM)-V2

## 16CH "4 in 1" + 8CH IP Dynamic Hybrid DVR

Provision-ISR SH-16200A5N-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 supports Provision-ISR Standard Video Analytics (Pixel Based).

16  
CH

5  
MP  
LITE



NDA4

4 IN 1

HYBRID  
DVR

AI  
ENGINE

## MAIN FEATURES

### Video Input:

- 16CH Standard BNC + 8CH 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: Up to 25/30FPS Per Channel
- Not Supported
- IP: 5MP and lower: 25/30FPS Per Channel

### Playback:

- Local: 16Ch Simultaneously
- Remote: 16Ch 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\_RD250214 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)	16CH Standard BNC + 8CH IP (Over Network)
Video Input (Max IP)	16CH IP (Over Network) + 8CH 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)	16Ch
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	
<b>IP Main Stream</b>	5MP and lower: 25/30FPS Per Channel
<b>AHD</b>	3K/5MP Lite: Up to 10FPS Per Channel, 4MP Lite / 2MP: Up to 12/15FPS Per Channel, 2MP Lite: Up to 25/30FPS Per Channel
<b>TVI</b>	3K/5MP Lite: Up to 10FPS Per Channel, 4MP Lite / 2MP: Up to 12/15FPS Per Channel, 2MP Lite: Up to 25/30FPS Per Channel
<b>CVI</b>	4MP Lite / 2MP: Up to 12/15FPS Per Channel, 2MP Lite: Up to 25/30FPS Per Channel
<b>CVBS Main Stream</b>	Not Supported
<b>Master Stream Over Network</b>	16Ch

Network (Substream) Resolution and FPS	
<b>HD Analog</b>	1-25/30FPS@1080P Per Channel (FPS Restricted to Master Stream FPS)
<b>IP Sub Stream</b>	1-25/30FPS@D1 Per Channel
<b>CVBS Sub Stream</b>	1-25/30FPS@D1 Per Channel
<b>Substreams over Network</b>	120 (Outgoing bandwidth limit applies)

Remote view	
<b>Max Channel View</b>	120Ch (Limited to Outgoing Bandwidth Capacity)

Video Compression	
<b>Video Compression</b>	H.265 (HEVC) / H.264

Record	
<b>Recording Mode</b>	Main Stream only

Remote Applications	
<b>User Access</b>	5 Users Online with Professional Authority Management
<b>Mobile App</b>	Provision Cam2 for iOS/Android
<b>PC/Mac Software</b>	Ossia VMS Standard / Enterprise
<b>Plug-in free Web-Browser</b>	Chrome, FireFox, Safari, Edge, Opera. (All Limited to 4Ch Live View / Playback)

<b>Plug-in based Web-Browser</b>	Internet Explorer
<b>Bandwidth</b>	
<b>Incoming</b>	32Mbps
<b>Outgoing</b>	80Mbps
<b>Playback</b>	
<b>Local Playback Channels</b>	16Ch
<b>Remote Playback Channels</b>	16Ch
<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-16200A5N-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-16200A5N-5L(MM)-V2

## DIMENSIONS

