

## 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(1U)-V2

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

Provision-ISR SH-16200A5N-5L(1U)-V2 is a high-quality dynamic hybrid digital video recorder obtainable in an elegant 1U 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:

- 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 / 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: 16Ch Simultaneously
- Remote: 8Ch Simultaneously

### Audio:

- Input: 8CH + IPC Inputs
- Output: 1CH + IPC Outputs

### Alarm:

- Input: 16+IPC
- Output: 4+IPC

### Storage:

- 2 x SATA (Up to 10TB each)
- 1 x E-SATA (Up to 10TB each)

### Network:

- 1 x RJ-45: 10/100/1000Mbps

### PTZ Support:

- RS-485 / CoC / IP over Network

### Power Supply:

- DC12V/4A

### Analytics:

#### AI by IPC:

- DDA1 Analytics Supported by the camera

#### AI by DVR:

- Yes (Up to 1 channel, at the expense of 4 SMD channels)

#### Remarks:

- The following features are based on firmware v1.4.0 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	8CH RCA (2.0 Vp-p, 1 k $\Omega$ ) (+IP Cameras)
Audio-Out	1CH RCA (2.0 Vp-p, 1 k $\Omega$ ) (+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	

<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 / 1MP: 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 / 1MP: Up to 25/30FPS Per Channel
<b>CVI</b>	4MP Lite / 2MP: Up to 12/15FPS Per Channel, 2MP Lite / 1MP: Up to 25/30FPS Per Channel
<b>CVBS Main Stream</b>	CVBS: 960H: Up to 25/30FPS Per Channel
<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

# SH-16200A5N-5L(1U)-V2

Bandwidth	
Incoming	32Mbps
Outgoing	96Mbps

  

Playback	
Local Playback Channels	16Ch
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	16+IPC
Alarm-out	4+IPC
Alarm Box Support	Yes

  

Storage	
HDD Max Capacity	10TB
Total HDD Max Capacity	30TB
Number of HDD	2
E-Sata	1

  

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-16200A5N-5L(1U)-V2

Network	
<b>Ethernet</b>	1000 Mbps (RJ-45)
<b>Protocols</b>	TCP/IP, DHCP, DDNS, NTP, SMTP, RTSP, HTTPS, FTP, SNMP, P2P, POS
<b>ONVIF</b>	Yes (For IP Channels)

  

Others	
<b>Dimensions</b>	W375xD275xH45mm
<b>Power Supply</b>	DC12V/4A
<b>Operation Temperature</b>	0°C ~50°C

