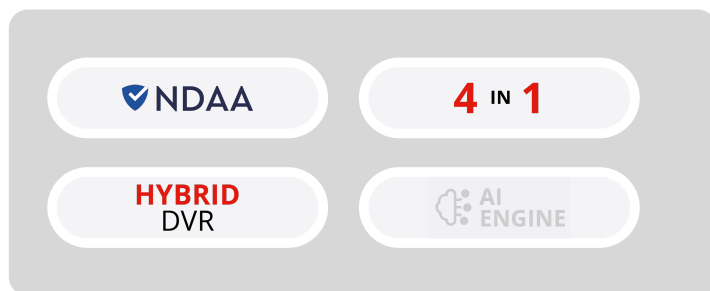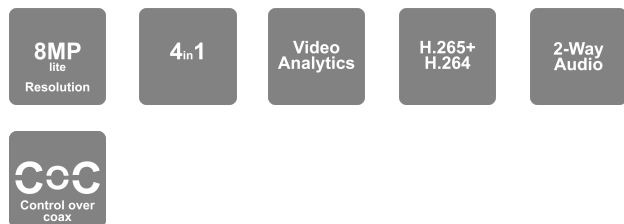## DVR

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.

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SH-16200A5N-8L(1U)

16CH "4 In1" + 8CH IP Dynamic Hybrid DVR

Provision-ISR SH-16200A5N-8L(1U) 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 Analitycs (Pixel Based).

16 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

• Video: Input: 16~8 Output: VGA: 1024x768/1280×1024/1920x1080 HDMI: 1920x1080 / 3840×2160(4K) CBS (Can be used as spot)
• I Recording: HD Analog - 8-16 Channels AHD/TVI/CVI: 8MP Max 8FPS Per Channel Resolution: 3840×2160 (PAL/NTSC) AHD/TVI/CVI: 8MP Lite Max 12/15FPS Per Channel Resolution: 1920×2160 (PAL/NTSC) AHD/TVI: 5MP Max 12FPS Per Channel Resolution: 2560x1936 (PAL/NTSC) AHD/TVI: 5MP Lite Max 20FPS Per Channel Resolution: 1280x1936 (PAL/NTSC) AHD/TVI/CVI: 4MP Max 12/15FPS Per Channel 4MP Resolution: 2560×1440 (PAL/NTSC AHD/TVI/CVI: 4MP Lite and lower Max 25/30FPS Per Channel 4MP Lite Resolution: 1280x1440 (PAL/NTSC) (Supported Resolutions: 1080P, 720P) CYBS: 960H Max 25/30FPS Per Channel Resolution: 960×576 (PAL) / 960×480 (NTSC) IP = 8-16 Channels IP: 8MP and lower Max 25/30FPS Per Channel Resolution: 3840×2160 (PAL/NTSC
• Playback: 16 Channel Simultaneously (Local) 8 Channel Simultaneously (Remote)
• Bandwidth: Incoming: 32-64Mbps (Depends on Hybrid Configuration) Outgoing: 96Mbps
• I Audio: Input: 8 Channel (RCA) + IP Cameras inputs Output: 1 Channel (RCA) + IP Cameras outputs 2 Way audio
• Storage: 2 x SATA (Up to 10TB Each) 1 x eSATA (Up to 10TB)
• USB Port: 1 x USB2.0 + 1 x USB3.0

• Network: RJ-45: 1000Mbps
• Alarm: Input: 16 (Dry Contact) + IP Cameras inputs Output: 4 (Dry-Contact) + IP Cameras outputs
• PTZ / Keyboard: 1 × RS485 Protocol: CoC/Pelco DP/Visca (IP Over ONVIF) Package Contents:
• Digital Video Recorder
• USB Mouse
• Rack Mount Ears
• DC12V-4A Power Supply

SH-16200A5N-8L(1U)

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

Video Output	
Video Output	HDMI(4K, 1920x1080), VGA (1280x1024), CVBS(Spot)
Dual Output	Mirrored

Audio	
Audio-In	8CH RCA (2.0 Vp-p, 1 kΩ) (+IP Cameras)
Audio-Out	1CH RCA (2.0 Vp-p, 1 kΩ) (+IP Cameras)
Two Way Audio	Yes
Audio Compression	G.711u

Events and Analytics	
SMD Support	No
DDA Analytics (On Analog Channels)	No
For AHD Cameras	Line Crossing, Sterile Area (No Direction Choice)
For IP Cameras	Line Crossing (With Direction Choice), Sterile Area, Object Monitoring, Camera Tampering, Smart Search
Pixel Based Analytics	Yes (Pixel Based)

Main Resolution and FPS	
IP Main Stream	8MP and lower: 25/30FPS Per Channel

SH-16200A5N-8L(1U)

AHD	AHD 8MP lite / 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 / 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 (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	120 (Outgoing bandwith limit applies)

Remote view	
Max Channel View	120Ch (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

Bandwidth	
Incoming	32Mbps

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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	8TB
Total HDD Max Capacity	24TB
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

Network	
Ethernet	1000 Mbps (RJ-45)
Protocols	TCP/IP, DHCP, DDNS, NTP, SMTP, RTSP, HTTPS, FTP, SNMP, P2P, POS

SH-16200A5N-8L(1U)

ONVIF	Yes (For IP Channels)
Others	
Dimensions	W375xD275xH45mm
Power Supply	12V/4A
Operation Temperature	0°C ~50°C

DIMENSIONS