

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-8L(1U)-V2

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

Provision-ISR SH-16200A5N-8L(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).

16
CH

8
MP
LITE



NDA

4 IN 1

HYBRID
DVR

AI
ENGINE

MAIN FEATURES

Video Input:

- 16CH Standard BNC + 8CH IP

Video Output:

- HDMI - 4K
- VGA
- CVBS

Recording:

- HD Analog: 8MP: Up to 8FPS Per Channel / 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: 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:

- 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_RD250317 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(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)
Audio Over Coax	Yes (TVI Only)
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	
IP Main Stream	8MP and lower: 25/30FPS Per Channel
AHD	8MP: Up to 8FPS Per Channel, 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: Up to 8FPS Per Channel, 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	8MP: Up to 8FPS Per Channel, 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 bandwidth 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 Authority 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 Explorer
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

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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
ONVIF	Yes (For IP Channels)
Others	
Dimensions	W375xD275xH45mm
Power Supply	DC12V/4A
Operation Temperature	0°C ~50°C

