

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.



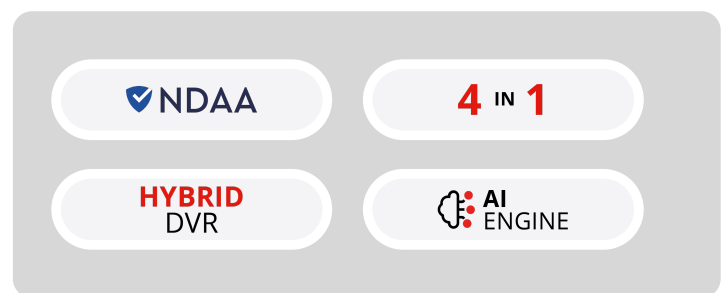
SH-16200A5N-8L(1U)-V2

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



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 |

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DIMENSIONS

