PROVISION-ISR SH-16200A5N-8L1U 16CH 4 In 1 Plus 8CH IP Dynamic Hybrid DVR Owner's Manual

Contents

PROVISION-ISR SH-16200A5N-8L1U 16CH 4 In 1 Plus 8CH IP Dynamic Hybrid DVR

OWNER'S MANUAL

MODEL: SH-16200A5N-8L(1U)SH-16200A5N-8L(1U)

DVR Provision-ISR DVRs feature the advanced H.264-H265 video compression format for maximumProvision-ISR DVRs feature the advanced H.264-H265 video compression format for maximum video quality alongside minimum storage volume. Their Dynamic Hybrid function allowsvideo quality alongside minimum storage volume. Their Dynamic Hybrid function allows installers to decide how the analog channels will work according to the installation needs,installers to decide how the analog channels will work according to the installation needs, making this installation totally dynamic.making this installation totally dynamic.

16CH "4 In1" + 8CH IP Dynamic Hybrid DVR16CH "4 In1" + 8CH IP Dynamic Hybrid DVR

Provision-ISR SH-16200A5N-8L(1U) is a high-quality dynamic hybridProvision-ISR SH-16200A5N-8L(1U) is a high-quality dynamic hybrid digital video recorder obtainable in an elegant 1U case. Thisdigital video recorder obtainable in an elegant 1U case. This technology allows users to add advanced IP cameras alongsidetechnology allows users to add advanced IP cameras alongside analog ones and enjoy high-quality images and other advancedanalog ones and enjoy high-quality images and other advanced features available on IP cameras only. The recorder supportsfeatures available on IP cameras only. The recorder supports Provision-ISR Standard Video Analitycs (Pixel Based).Provision-ISR Standard Video Analitycs (Pixel Based).

NDAA

4 IN 1

HYBRID
DVR

AI ENGINE

MAIN FEATURESMAIN FEATURES

Vide o Input:

- 16CH Standard BNC + 8CH IP

Video Out put:

- HDMI -4K

  VGA
- CVBS

Recording:

- HD Analog: 8MP lite/ SMP / 4MP: Up to 12/1 SFPS Per Channel/ SMP Lite: Up to 20FPS Per Channel/ 4MP lite/ 2MP / 1 MP: Up to 25/30FPS Per Channel
- CVBS: 960 H: Up to 25/30FPS Per Channel
- IP: 8MP and lower: 25/30FPS Per Channel

Playback:

- Local: 1 6 C h Simultaneously
- Remote: 8Ch Simultaneously

Audio:

- Input: 8CH + IPC I nputs
- Output: 1 CH+ IPC Outputs

Alarm:

- Input: 16+1PC

Storage:

- 2 x SATA (Up t o 8TB each)
- 1 x E-SATA (Up to 8TB each)

Network:

- 1 x RJ-45: 10 /100/1 OOOMbps

PTZ S upp ort:

- RS-485 I CoC I IP over Network

Power Supply:

- DC12V/4A

An alytics:

AI by IPC:

- DDA 1 Analytics Supported by the camera

Remarks:

The following features are based on firmware v1 .3.8 and are subject to firmware vers ion changes.

SPECIIFIICATIIONS

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	No
Video Output	
Video Output	HDMI(4K, 1920×1080), VGA (1280×1024), 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 Support	No
DDA Analytics (On Analog Channels)	No
Pixel Based Analytics	Yes
Main Resolution and FPS	

IP Main Stream	8MP and lower: 25/30FPS Per Channel
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
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
ONVIF	Yes (For IP Channels)
Others	
Dimensions	W375xD275xH45mm
Power Supply	DC12V/4A
Operation Temperature	0°C ~50°C

Specifications:

- Model: SH-16200A5N-8L(1U)
- Video Inputs: 16CH Standard BNC + 8CH IP
- Video Output: HDMI – 4K VGA CVBS
- Audio: Input: 8CH + IPC Inputs, Output: 1CH + IPC Outputs
- Storage: 2 x SATA (Up to 8TB each), 1 x E-SATA (Up to 8TB each)

- Network: 1 x RJ-45: 10/100/1000Mbps
- Power Supply: DC12V/4A

Product Usage Instructions:

Installation:

1. Place the DVR in a well-ventilated area with access to power and network connections.
2. Connect your analog and IP cameras to the designated video inputs.
3. Connect audio devices if needed to the audio inputs and outputs.
4. Ensure proper storage devices are connected for recording.
5. Connect the DVR to a power source using the provided power supply.

Configuration:

1. Access the DVR settings through the provided interface or software.
2. Configure video input sources and adjust recording settings as needed.
3. Set up network connectivity for remote access and monitoring.
4. Customize alarm triggers and notifications according to your requirements.

Operation:

1. Start recording by activating the desired recording mode (Schedule, Manual, Motion, Sensor, Analytics, POS).
2. View live or recorded footage locally on connected monitors or remotely via network access.
3. Manage audio inputs and outputs for two-way communication if supported.
4. Monitor events and analytics provided by the DVR, including SMD and DDA Analytics.

Frequently Asked Questions (FAQ):

Q: Can I connect both analog and IP cameras to this DVR?

A: Yes, you can connect up to 16 analog cameras and 8 IP cameras simultaneously.

Q: What is the maximum storage capacity supported by this DVR?

A: The DVR supports up to 8TB storage on each of the two SATA drives and one E-SATA drive.

Q: How can I access the recorded footage remotely?

A: You can access the recorded footage remotely by setting up network connectivity and using compatible software or apps.

Documents / Resources

PROVISION-ISR SH-16200A5N-8L1U 16CH 4 In 1 Plus 8CH IP Dynamic Hybrid DVR [pdf] Owner's Manual
SH-16200A5N-8L1U 16CH 4 In 1 Plus 8CH IP Dynamic Hybrid DVR, SH-16200A5N-8L1U, 16CH 4 In 1 Plus 8CH IP Dynamic Hybrid DVR, Dynamic Hybrid DVR, Hybrid DVR

References

- **User Manual**