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PROVISION ISR ISR SH-8100A5N-2L(MM)-V2 4 In 1 Dynamic Hybrid Digital Video Recorder Owner's Manual

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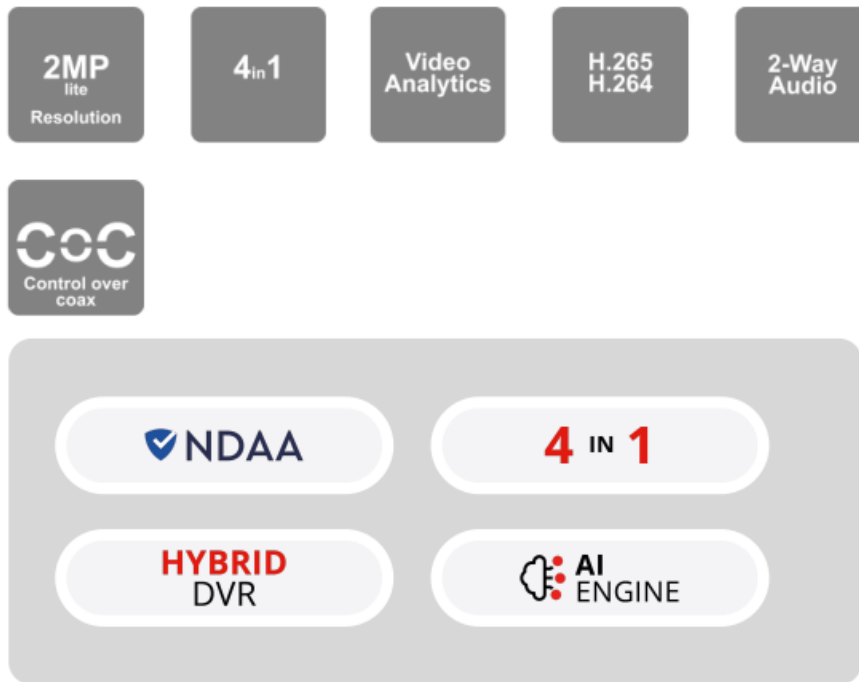

Contents

Important Information

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.

8CH "4 In 1" + 2CH IP Dynamic Hybrid DVR

Provision-ISR SH-8100A5N-2L(MM)-V2 is a high-quality dynamic hybrid digital video recorder obtainable in an elegant mini metal 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).

Features

MAIN FEATURES

Video Input: 8CH Standard BNC + 2CH IP Video Output: HDMI –
FHD VGARecording: HD Analog: 2MP lite / 1MP: Up to 12/15FPS
Per ChannelCVBS: 960H: Up to 25/30FPS Per ChannelIP: 5MP: 25FPS Per Channel, 4MP and lower: 25/30FPS Per
ChannelPlayback :Local: 8Ch SimultaneouslyRemote: 4Ch
SimultaneouslyAudio :Input: 1CH + IPC InputsOutput: 1CH + IPC
OutputsAlarm :Input: IP Cameras onlyOutput: IP Cameras
onlyStorage: 1 x SATA (Up to 6TB each)Network:1 x RJ-45: 10/100MbpsPTZ Support: CoC / IP over NetworkPower
Supply :DC12V/2AAnalytics:AI by IPC: DDA1 Analytics Supported by the cameraAI 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 v1.3.8 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)	8CH Standard BNC + 2CH IP (Over Network)
Video Input (Max IP)	10CH IP (Over Network) + 0CH Standard BNC
3K Input Support	No
Video Output	
Video Output	HDMI(1920×1080), VGA (1280×1024, 1024×768)
Dual Output	Mirrored
Audio	
Audio-In	1CH 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	Yes
DDA Analytics (On Analog Channels)	Yes
Pixel Based Analytics	Yes
Main Resolution and FPS	
IP Main Stream	5MP: 25FPS Per Channel, 4MP and lower: 25/30FPS Per Channel
AHD	AHD 2MP lite / 1MP: Up to 12/15FPS Per Channel
TVI	2MP lite / 1MP: Up to 12/15FPS Per Channel
CVI	2MP lite / 1MP: Up to 12/15FPS Per Channel
CVBS Main Stream	CVBS: 960H: Up to 25/30FPS Per Channel
Master Stream Over Network	4Ch
Network (Sub stream) Resolution and FPS	
HD Analog	1-25/30FPS@D1 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
Sub streams over Network	50 (Outgoing band with limit applies)
Remote view	
Max Channel View	50Ch (Limited to Outgoing Bandwidth Capacity)
Video Compression	

Video Compression	H.265 (HEVC) / H.264
Record	
Recording Mode	Main Stream only
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, Fire Fox, Safari, Edge, Opera. (All Limited to 4Ch Live View / Playback)
Plug-in based Web-Browser	Internet Exporer
Bandwidth	
Incoming	16Mbps
Outgoing	60Mbps
Playback	
Local Playback Channels	8Ch
Remote Playback Channels	4Ch
Search Modes	Time-Slice, Time, Event, File Management, Smart Search
Backup	
USB	2 USB 2.0 Port
Backup Format	AVI/DAT
Alarm	
Alarm-in	IP Cameras only
Alarm-out	IP Cameras only
Alarm Box Support	Yes
Storage	
HDD Max Capacity	6TB
Total HDD Max Capacity	6TB
Number of HDD	1
E-Sata	No
PTZ	
Connection	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	100 Mbps (RJ-45)
Protocols	TCP/IP, DHCP, DDNS, NTP, SMTP, RTSP, HTTPS, FTP, SNMP, P2P, POS
ONVIF	Yes (For IP Channels)
Others	
Dimensions	W255xD220xH43mm
Power Supply	DC12V/2A
Operation Temperature	0°C ~50°C

DIMENSIONS

https://provision-isr.com

Documents / Resources

PROVISION ISR ISR SH-8100A5N-2L(MM)-V2 4 In 1 Dynamic Hybrid Digital Video Recorder [pdf] Owner's Manual
ISR SH-8100A5N-2L MM -V2, ISR SH-8100A5N-2L MM -V2 4 In 1 Dynamic Hybrid Digital Video Recorder, 4 In 1 Dynamic Hybrid Digital Video Recorder, Dynamic Hybrid Digital Video Recorder, Digital Video Recorder, Recorder

References

- **User Manual**