

NEOS PRO-IN-20864

64 Channel NVR with 8 SATA Ports

Main Feature:

- Compression: H.265
- Decoding: 4K
- Channels: 64 Channels
- Storage: 8 SATA Port (18TB each)
- Throughput: 512Mbps/512Mbps
- Cascadling
- Camera Initiation
- Adaptive Recording
- Camera wise recording Retention
- Inbuilt DHCP Server
- Instant Calling From Mobile app



Technical Specifications:

VIDEO	
Input	64 IP Channels
Output	HDMI (2.0) – 1 Port (Main)
Compression	H.265/H.264/Motion JPEG
AUDIO	
Input	1 Channel, RCA Port(2.0Vp-p), Range (-2dBu to 22dBu)
Output	1 Channel, RCA Port Mono, Unbalanced output, (2.0Vp-p), Range (-2dBu to 22dBu)
Compression	G.711μ
Two-Way Audio	Yes
THROUGHPUT	
Downlink Throughput	512 Mbps
Uplink Throughput	512Mbps
Simultaneous Log-in	9+1(Admin)
Maximum User	128
DISPLAY	
Split (Through LAN/HDMI)	1x1, 2x2, 3x3, 4x4, 1+5, 1+7, 3+4, 2+8, 1+12, 1⊕+12, 1+9, 4+9,2+12, 5x5, 6x6, 8x8 and Sequential
Local Decoding	4x 4K/ 10x 3MP/ 16x 1080P
Digital Zoom	Yes
Snapshot	Yes

Multiple Camera Viewing	Channel Number and Name, Status, Video Loss, Recording and Disabled Channel (As per camera support)
OSD	Channel Number and Name, Status, Video Loss, Recording and Disabled Channel (As per camera support)
RECORDING	
Image Resolution	12MP, 8MP, 5MP, 3MP, 2MP, 1080P, 720P, D1, CIF
Pre-Record	Up to 30 Sec
Post-Record	10-300 Sec
Snapshot Format	JPEG
Recording Format	Native
Recording Types	Scheduled, Manual, Alarm and COSEC
STORAGE AND BANDWIDTH OPTIMIZATION	
Adaptive Recording	Automatically Reduces the Number of Frames Captured Per Second Where There is No Motion, Thereby Saving Storage Space.
Bandwidth Optimization	Automatically Adapts Optimized Resolution on Local Display through HDMI
PLAYBACK AND BACKUP	
Synchronous Playback	16 Channels @ 1080P (via HDMI)
Search Mode	Date and Time, Camera, Recording Type, Recording Drive
Playback Modes	Fast Forward, Slow Forward, Slow Reverse, Fast Reverse at Different Speed Control, Next-Previous Frame
Backup	Manual Backup over USB and NAS, Scheduled Backup over USB, NAS and FTP Scheduled Backup over USB through USB 2.0 interface Manual Backup over USB through USB 3.0 interface Quick Backup over USB, NAS and Local PC
Configuration Backup	Yes
Network Functions	TCP/IP, IPv4, IPv6, DHCP, PPPOE, DDNS, Free Matrix DNS, FTP, SMTP, NTP, RTP/RTSP, CIFS/NFS, Network Acceleration, UDP
Maximum User	128
Remote Operation	Monitor, PTZ Control, Playback, System Setting, File Download, Log Information, Upgrade

EVENTS AND ACTION

Trigger Events	Motion Detection, View Tampering, Tripwire, Object Intrusion, Audio Exception, Missing Object, Suspicious Object, Loitering, Object Counting, Recording Start, Recording Fail, Camera Offline, Camera Online
System Events	Manual Trigger, On Boot Alarm, Storage Alert, Disk Volume Full, Disk Fault, Scheduled Backup Fail
Actions	Recording on Selected Channel, Upload Images on FTP/ Email server, Email Notification with Snapshot, TCP Notification, Recall PTZ Preset Position, Turn On/Off Alarm Outputs, Buzzer Notification, SMS Notification, Calling from Mobile App

STORAGE INTERFACE

SATA Interface	8 SATA III (18TB per port)
NAS	2 NAS (CIFS, NFS)
USB	1 TB USB Drive
RAID	RAID 0, RAID 1, RAID 5, RAID 10
Retention	Camera Wise, HDD % usage wise, Day wise

INTERFACES

Network Interface	2 Ports x Ethernet (RJ-45) 10/100/1000Mbps
USB	3 Ports (1x USB3.0, 2X USB2.0)
LED	System Status LED, Power LED
Alarm Input	2 Ports (Max. load resistance : 4.7 KΩ)
Alarm Output	1 Port (Max load power : <50VA, Max load current : <1A)
Reset Switch	Yes
Buzzer	Yes

SYSTEM INTERFACE

Processor	Quad-core ARM Cortex-A76 MPCore processor and quad-core ARM Cortex-A55 MPCore Processor
RAM	4GB
Flash	4GB
OS	Embedded Linux
Control Mode	Mouse, Device Client and Mobile Client

CAMERA SUPPORT

Third Party Camera Support	Cameras with ONVIF 2.0 & above
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ENVIRONMENT CONDITION

Operating Temperature	0°C to +50°C (32°F to 122°F)
Humidity Range	5% to 95% RH Non-Condensing

ELECTRICAL AND MECHANICAL

Power Input	SMPS (100-240 volts AC)
Dimensions(LxBxH)	442 (without clamp) x 234 x 101
Weight	5.15kg

CERTIFICATIONS

Certifications	BIS
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COMPLIANCES

NDAA Compliance	Yes
MTBF	Yes > 1,00,000 hours

Contact Us

Arvind Limited (Telecom Division), Survey No. 33/1,
Kondhwa Pisoli Road, Pisoli, Pune, MH - 411060, India.

☎️ +91 97644 47100 | ✉️ enquiry@arvindsyntel.com
🌐 www.arvindsyntel.com

