WNVRN18P5OAI

NETWORK VIDEO RECORDER

PoE 8 Channel H.265 16MP NVR

NDAA Compliant

Key Features

- Supports 8 CH 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1280×1024, 960p, 720p, 960H, D1, CIF IPC video input
- H.265S/H.265+/H.265/H.264
- Intuitive and user-friendly Graphic User Interface (GUI), Windows style operation by mouse
- Multi-mode recording: Manual / Timer / Motion / Sensor / POS / AI recording
- Playback : 8CH simultaneous playback
- Supports face detection and comparison
- Search : Time slice, time, event, tag, and smart search
- Supports multiple VCA (Video Content Analytics) events, such as object abandoned/missing, region intrusion, tripwire, video exception, etc. Supports license plate recognition
- Supports POS information overlay on live view and playback
- Pentaplex : preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol
- Remote control via Web Client or CMS : Preview, playback, backup, PTZ and configuration
- Remote control via Web Client or CMS: preview, playback, backup, PTZ and configuration
- Supports 8CH PoE IPC direct connection to NVR via PoE ports
- Multi-user online simultaneously
- Authorization management, log view and device status view
- 4K output, true high resolution display
- Supports PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Supports NAT function and QRCode scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Andriod OS

The Genie **WNVRN18P5OAI** is an 8 channel PoE H.265 16MP NVR with facial recognition and license plate recognition. The NVR supports 8 channel 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1280 × 1024, 960p, 720p, 960H, D1 and CIF IPC video input as well as 8 channel simultaneous playback.

REC
NET
PWR

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Specification

System

OS	Embedded Linux

Video

Input	8CH IPC input
Incoming Bandwidth	160Mbps / 160Mbps (*when 8 IPCs are directly connected to 8 PoE ports, the incoming/ outgoing bandwidth just can reach 80Mbps/80Mbps)
Outgoing Bandwidth	*When the AI function of the IPC is enabled, the actual incoming bandwidth(max.bitrate) is more than the set value in the NVR.
Output	HDMI : 3840 × 2160/1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA : 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA can be set to output the same or different video source with HDMI
Resolution	16MP/12MP/8MP/6MP/5MP/4MP /3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF
Compression	H.265S/H.265+/H.265/H.264
Multi-screen Display	Main output: 1/4/6/8/9 (live view) AUX output: 1/4/6/8/9 (live view) AI mode (default mode): max 8CH (HDMI and VGA output the same video source, AI by device supported) Independent output mode: max 16CH (HDMI and VGA output different video sources, AI by device not supported)

Audio

Input	8 CH IPC audio input
Output	RCA x1
Two-Way Audio	RCA x1
Compression	G.711 (A/U)

Record

Frame Rate	NTSC: 30fps; PAL: 25fps
Resolution	16MP/12MP/8MP/6MP/5MP/4MP /3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF

Alarm

Mode	Manual, sensor, motion, exception, smart events, etc.
Input	8 CH local alarm input
Output	4 CH
Triggering	Record, snap, preset, e-mail, etc.

Playback

Playback	Maximum 8CH (Simultaneous)
Search	Time slice / time / event / tag / smart search
Smart Search	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events
Function	Play, pause, FF, FB, digital zoom, etc.
Decoding Capability	1×16MP / 4×4MP/ 10×1080P (main output: 8×1080P + aux. output: 2×1080P (Live View/Playback)

Face Recognition

Face Detection Performance	AI by IPC 8CH AI by Device 2CH (2MP)
Face Match Performance	6CH
Comparison Capability	18 pictures / second
Face Picture Database	32 libraries 10000 Face Pictures
Face Picture Search	Search by picture is supported
Database Management	Add, modify, delete and search face pictures
Face Picture Adding	Add face pictures through App, Web and external import
Face Picture Comparison	Supports allow list, block list and stranger match alarm
Face Track	Track display on a map
Statistic Graph of Face Information	Bar graph
Statistic Mode of Information	Statistics by day, week, month, quarter as well as customised time period

Perimeter Protection and Video Metadta

Human/Vehicle Classification	AI by IPC: 8 CH AI by device: 2CH (2MP)
Human/Vehicle Attribute Analysis	Yes (AI by IPC)

Network

Interface	RJ 45 1000 Mbps × 1
Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs, 802.1x, RTSP, SNMP, ONVIF, etc.
Client Connection	Max. 64 users access
PoE Port	RJ 45 100Mbps × 8
PoE Output Power	≤ 80W

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Specification

Others

Fisheye	Supports fisheye camera access
Plate Recognition (AI by IPC)	Yes
Power Supply	DC48V/2.5A
Consumption	≤ 20W (without HDD and PoE power supply)
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, REACH and WEEE
Dimensions(mm)	300 × 249 × 45 (W × D × H)
Working Environment	-10 ~ 50 °C ~ 10% ~ 90% humidity

Backup & Storage

Local Backup	U disk, USB mobile HDD
Network Backup	Yes
Storage	HDD: SATA x1, max 10T

Port

RS485	Yes (full-duplex), connect to PTZ or keyboard
USB	USB 3.0 × 1 ; USB 2.0 × 2
Remote Controller	Optional

Others

Power Supply	DC48V/2.5A
Consumption	≤ 20W (Without HDD and PoE power supply)
Working Environment	-10~50°C, 10%~90% (Humidity)
Dimensions	300 × 249 × 45 mm

Mobile Device

OS	iOS, Android

Dimensions

300mm   45mm   248.5mm

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