

NEX5NAI

VIDEO ENCODER

5MP 4in1 HD Video Encoder With Built-In Intelligent Analytics



Key Features

- Max. resolution: 5MP (2592×1944) @20fps
- H.265+/H.265/H.264+/H.264/MJPEG coding
- Support ROI coding
- Support UTC (Up-The-Coax) control
- 8CH alarm input, 4CH alarm output
- 1CH audio input, 1CH audio output
- 1CH micro SD card slot, up to 256G
- Support three streams
- Intelligent analytics

The Genie **NEX5NAI** is a 5MP 4in1 HD Video Encoder With Built-In Intelligent Analytics.



Specification

Video

Video Input	BNC×1 BNC interface (1.0Vp-p; 75Ω) TVI/AHD/CVI : 5MP@20fps; 4MP/1080P/720P @30fps CVBS video signal input supported
Video Compression	H.265+/H.265/ H.264+ / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile
Bit rate Type	VBR/CBR
Bit Rate	64Kbps ~ 8Mbps
Resolution	5MP(2592×1944),4MP(2560×1440),1080P(1920×1080),720P(1280×720),D1,CIF,480×240
Main Stream	5MP(1~20fps)/4MP/1080P/720P/D1 (60Hz:1~30fps; 50Hz:1~25fps)
Sub Stream	720P/D1/CIF (60Hz:1~30fps; 50Hz:1~25fps)
Third Stream	D1/CIF/480×240 (60Hz:1~30fps; 50Hz:1~25fps)

Audio

Audio Input	1CH 3.5mm audio input
Audio Output	1CH 3.5mm audio output
Audio Compression	G711A/U

Image

Image Setting	Saturation, hue, brightness, contrast, wide dynamic range, sharpness, defog, NR, image mirror, image flip, etc., adjustable through client or web browser
ROI	8 ROI, each region can be set up separately

Interfaces

Network	100M RJ45
Audio	1CH 3.5mm audio input; 1CH 3.5mm audio output
Video	1CH BNC video input
Storage	1 micro SD card slot, up to 256G
Alarm	8CH alarm input; 4CH alarm output

Function

Remote Monitoring	Web browser/NVMS2.0/NVR/mobile APP
Online Connection	Supports simultaneous monitoring for up to 8 users. Supports multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTMP, PPPoE, DDNS, SMTP, FTP, SNMP, 802.1x, UPnP, HTTPS, HTTP POST, Qos
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	SD card full, SD card error, IP address conflict, cable disconnection, sensor alarm, motion alarm
Intelligent Analytics	Video exception detection: video blur detection, abnormal colour detection, scene change detection Perimeter protection: line crossing/ region entrance/ region exiting/ region intrusion detection (human/ motor vehicle/non-motor vehicle classification) Statistics: target counting by line/area (human/motor vehicle/non-motor vehicle classification) Face detection: face detection, face capture Other events: abandoned/missing object detection, heat map
General Function	Watermark, IP address filtering, video mask, heartbeat, illegal login, corridor pattern
PoE	Yes, IEEE802.3af
Water-proof Grade	No

Others

Power Input	DC12V/PoE
Power Output	Yes, max. 12V@0.5A
Power Consumption	< 5.5W
Environmental Protection	RoHS 2.0, REACH, WEEE, directive94/62/EC
Working Environment	-30 ~60 , Humidity: less than 95% (non-condensing)
Storage Environment	-30 ~65 , Humidity: less than 95% (non-condensing)
Dimensions(mm)	Server: 108.5 × 87.8 × 28.0
Weight (net)	Approx. 271.4g
Installation	Wall mounting

Dimensions

