Hikvision DS-7608NXI-K2/8P(E)

· Specification summary

Device class	8-ch PoE 1U K Series AcuSense 4K NVR
IP camera inputs	8 channels; not the decoding-stream count
Incoming bandwidth	80 Mbps
Outgoing bandwidth	160 Mbps
HDMI output	1 HDMI output: 3840 × 2160 at 30 Hz; 2560 × 1440 at 60 Hz; 1920 × 1080, 1600 × 1200, 1280 × 1024, 1280 × 720 or 1024 × 768 at 60 Hz
VGA output	1 VGA output: 1920 × 1080, 1600 × 1200, 1280 × 1024 or 1280 × 720 at 60 Hz
Display output mode	HDMI and VGA independent output
Video formats	H.265 / H.265+ / H.264 / H.264+
Recording resolutions	16 MP / 12 MP / 8 MP / 6 MP / 5 MP / 4 MP / 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF ; 16 MP is only available for channel 1.
Synchronous playback	8 channels
Decoding with AI on	AI on: 2 × 12 MP / 4 × 8 MP / 5 × 6 MP / 8 × 4 MP / 8 × 3 MP / 8 × 2 MP; each listed alternative at 30 fps, not simultaneous totals
Decoding with AI off	AI off: 3 × 12 MP / 5 × 8 MP / 6 × 6 MP / 8 × 4 MP / 8 × 3 MP / 8 × 2 MP; each listed alternative at 30 fps, not camera-input expansion
Recorder-side analytics	Facial recognition / perimeter protection / motion detection 2.0 / AcuSearch; verify selected function and stream limits
Camera-side analytics	Compatible-camera functions: facial recognition / perimeter protection / motion detection 2.0 / ANPR; not all onboard NVR analytics
AcuSearch by camera	All channels only when the compatible camera has AcuSearch enabled; confirm model, firmware and setup
Perimeter analysis by recorder	With HD network cameras using H.264/H.265: up to 4 MP, 2 channels; 5 to 8 MP, 1 channel; human/vehicle analysis
Perimeter analysis by camera	All channels with compatible camera-side analytics enabled; confirm exact cameras and configuration
Face functions	Face picture comparison / human face capture / face picture search; selected function limits apply
Face analysis capacity	Up to 4 MP: 2 channels; 5 to 8 MP: 1 channel
Face picture comparison	8 channels; not the face-video analytics channel count
Face library limits	Up to 16 libraries and 50,000 face pictures in total; each picture ≤ 1 MB; total capacity ≤ 1 GB
Motion detection 2.0 by recorder	All channels at up to 4 MP; up to 8 MP only when enhanced SVC mode is enabled; human/vehicle analysis
Motion detection 2.0 by camera	All channels with compatible camera-side detection enabled; verify exact camera and setup
Stream types	Video / video and audio; depends on the actual input stream

Audio compression	G.711ulaw / G.711alaw / G.722 / G.726 / AAC / MP2L2
IP speaker inputs	4 channels; network-speaker input reference, not four physical RCA ports
Audio output reference	1-channel RCA (linear, 1 kΩ), as listed; confirm actual wiring and audio equipment
Two-way audio input reference	1-channel RCA (2.0 Vp-p, 1 kΩ, using the audio input), as listed; not a built-in speaker claim
Remote connections	128 as listed; actual streams and bandwidth must remain within applicable limits
Integration references	ONVIF profiles S/G / SDK / ISAPI; verify the exact camera and firmware, not universal interoperability
LAN interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface; separate from camera PoE ports
Network protocol references	TCP/IP / DHCP / IPv4 / IPv6 / DNS / DDNS / NTP / RTSP / SADP / SMTP / SNMP / iSCSI / ISUP / UPnP / HTTP / HTTPS; listing is not an enabled-by-default or security guarantee
PoE interfaces	8 RJ-45 ports at 10/100 Mbps; distinct from the Gigabit LAN interface
Total PoE budget	≤ 80 W shared across PoE ports; not 80 W per port or recorder input consumption
PoE standards	IEEE 802.3af/at; confirm camera load and cabling
SATA interfaces	2 SATA interfaces; hard disks not assumed included
Capacity per HDD	Up to 16 TB per HDD; not a guaranteed total usable capacity
USB interfaces	Front: 1 × USB 2.0; rear: 1 × USB 2.0
Alarm inputs and outputs	4 inputs / 1 output; confirm actual wiring and selected hardware
Cooling fan	Fan support listed; verify selected hardware and operating conditions
Recorder DC input	48 V DC, 2.5 A as listed; not the PoE output budget
Recorder consumption reference	≤ 15 W without HDD; the cited row does not state a PoE-off condition; not total loaded camera-system demand
Operating temperature	-10 to 55 °C (14 to 131 °F)
Operating humidity	10% to 90%; condensation suitability not established in the cited row

Specifications are summarised from the manufacturer's published information (checked 2026-10-18). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.