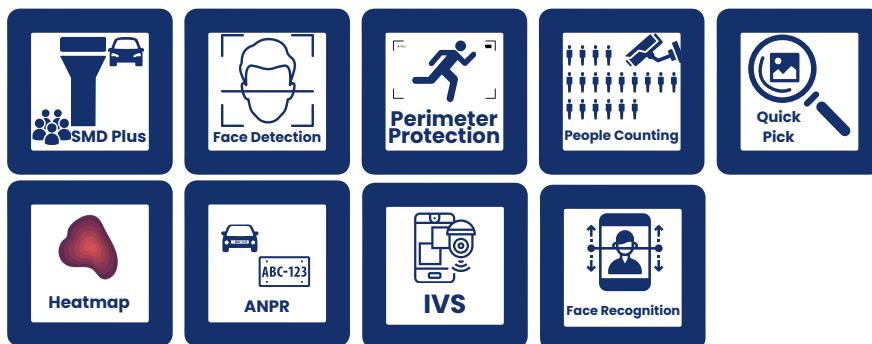




DNVR4KL401-4P-Ai



Key Features



- Smart H.265+, H.265, Smart H.264+, H.264, MJPEG decoding format
- Access, storage or forwarding@80Mbps.
- Max. decoding capability: 16 x 1080p@30fps.
- Supports adaptive decoding.
- AI by NVR: 1-Channel face detection and recognition, 2-Channel perimeter protection, up to 10 face databases and 20,000 face images, 4-Channel SMD Plus
- AI by Camera: Face detection and recognition, perimeter protection, SMD Plus, people counting, stereo analysis, heat map.
- Connected to the third-party network cameras.
- Security baseline 2.3



Specifications

System		DNVR4KL401-4P-Ai
Main Processor		Industrial-grade processor
Operating System		Embedded Linux
Operating Interface		Web, Local GUI
AI		
AI by Recorder		Face detection, face recognition, perimeter protection, and SMD Plus
AI by Camera		Face detection, face recognition, perimeter protection, SMD Plus, ANPR, people counting, stereo analysis, heat map
Perimeter Protection		
Perimeter Performance AI by Recorder (Number of Channels)		2-Channels, 10 IVS rules for each channel
Perimeter Performance of AI by Camera (Number of Channels)		All Channels (8 targets)
Face Detection		
Face Attributes		Gender, age group, glasses, expressions, face mask, beard
Face Detection Performance of AI by Recorder (Number of Channels)		1-Channel (up to 12 face images each channel)
Face Detection Performance of AI by Camera (Number of Channels)		All Channels (8 targets)
Face Recognition		
Face Database Capacity		Up to 10 databases with 20,000 images, with a total capacity of 2.5G. Name, gender, birthday, address, credential type, credential No., countries and regions and state can be added to each face image
Face Recognition Performance of AI by recorder (Number of Channels)		4-Channel FD (by Camera) + FR (by Recorder), image stream: 12 face images 1-Channel FD (by Recorder) + FR (by Recorder), video stream: 12 face images
Face Recognition Performance of AI by Camera (Number of Channels)		All Channels (8 targets)

**SMD Plus**

SMD Plus by Recorder	4-Channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change
SMD Plus by Camera	All channels (16 targets)

Audio and Video

Access Channel	4-Channels
Network Bandwidth	80Mbps incoming, 80Mbps recording and 80Mbps outgoing
Resolution	16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 960p, 720p, D1, CIF
Decoding Capability	AI Disabled: 2-Channel 16MP@30fps, 2-Channel 12MP@30fps, 4-Channel 8MP@30fps AI Enabled: 1-Channel 16MP@30fps, 2-Channel 12MP@30fps, 3-Channel 8MP@30fps, 3-Channel 6MP@30fps, 4-Channel 5MP@30fps
Video Output	1 HDMI, 1 VGA HDMI: 3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720 VGA: 1920 x 1080, 1280 x 1024, 1280 x 720 <i>Simultaneous/Heterogeneous video sources output for VGA and HDMI is configurable.</i>
Multi-Screen Display	1st Screen: 1/4 2nd Screen: 1/4
Third-Party Camera Access	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, ONVIF, Canon

Compression Standard

Video Compression	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG
Audio Compression	G.711a, G.711u, PCM, G726

Network

Network Protocol	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search, P2P, Auto Register
Mobile Phone Access	iOS & Android
Interoperability	ONVIF 22.06 (Profile T, Profile S, Profile G), CGI, SDK
Browser	Chrome, IE9 & later, Firefox

Recording Playback

Multi-Channel Playback	Up to 4-Channels
Record Mode	General, motion detection, intelligent, alarm
Backup Method	USB device and network



Playback Mode	Instant, general, event, tag and smart playback
Alarm	
General Alarm	Motion detection, privacy masking, video loss, scene changing, PIR alarm, IPC external alarm
Anomaly Alarm	Camera disconnection, storage error, disk full, IP conflict, MAC conflict, login locked and cybersecurity exception
Intelligent Alarm	Face detection, face recognition, perimeter protection, SMD Plus, people counting, stereo analysis, heat map
Alarm Linkage	Record, snapshot, IPC external alarm output, audio, buzzer, log, preset, email
Port	
Audio Input	1-Channel RCA
Audio Output	1-Channel RCA
Disk Interface	1 SATA port, up to 16TB. The max. HDD capacity varies with environment temperature
USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)
HDMI	1
VGA	1
Network Port	1 (10, 100 Mbps Ethernet port, RJ-45)
PoE Port	4 Ports, 10, 100 Mbps, IEEE 802.3 af/at
General	
Power Supply	53 VDC, 1.226A
Power Consumption	Total output of NVR is <10W (without HDD). Total output power of PoE is 36W, the max. output power of a single port is 25.5W
Net Weight	0.86kg (1.90lb)
Gross Weight	1.88kg (4.14lb)
Product Dimensions	260mm x 232.7mm x 47.6mm (10.24" x 9.16" x 1.87") (W x L x H)
Packaging Dimensions	333mm x 89mm x 315mm (13.11" x 3.50" x 12.40") (W x L x H)
Operating Temperature	-10°C ~ +55°C (14°F ~ +131°F)
Storage Temperature	-20°C ~ +60°C (-4°F ~ +140°F)
Operating Humidity	10% ~ 93% (RH)



Installation	Rack or Desktop
Certifications	FCC: 47 CFR FCC Part 15, Subpart B, Class A CE-EMC: EN55032:2015+A1:2020, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014 CE-LVD: EN 62368-1:2014