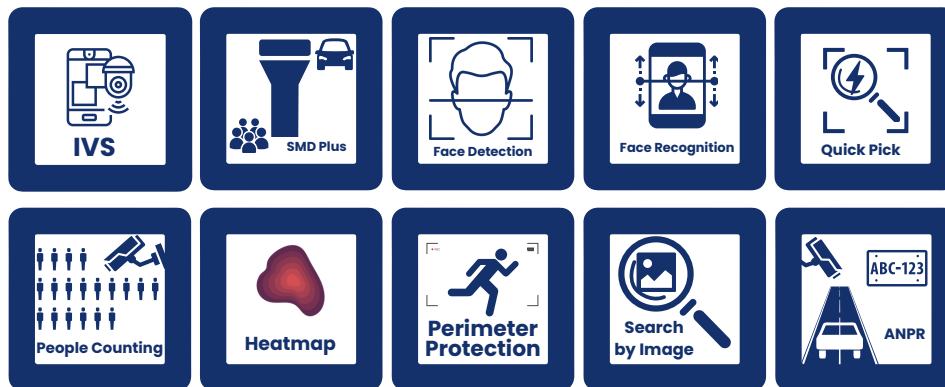




DNVR4K3204-Ai



Key Features



- Smart H.265+, H.265, Smart H.264+, H.264, MJPEG decoding format.
- Access, storage or forwarding at 256 Mbps (180 Mbps when AI function enabled)
- Max. decoding capability: 16 × 1080p@30 fps. Supports adaptive decoding
- AI by NVR: 1-Channel face detection & recognition, 2-Channel perimeter protection, up to 10 face databases & 20,000 face images, 4-Channel SMD Plus
- AI by Camera: Face detection, recognition, perimeter protection, SMD Plus, ANPR, people counting, stereo analysis & heat map
- Connected to the third-party network cameras
- Security baseline 2.3.



Specifications

System		DNVR4K3204-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 & 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)	8-Channels		
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)	8-Channels		
Face Recognition			
Face Database Capacity	Up to 10 face databases with 200,000 images, with a total capacity of 2.5G. Name, gender, birthday, address, credential type, credential No., countries & regions & state can be added to each face image		
Face Recognition Performance of Ai by Recorder (Number of Channels)	1. 8-Channel FD (by camera) + FR (by recorder), image stream: 12 face image 2. 1-Channel FD (by recorder) + FR (by recorder), video stream: 12 face images		



Face Recognition Performance of Ai by Camera (Number of Channels)	8-Channels
SMD Plus	
SMD Plus by Recorder	4-Channels: Secondary filtering for human & motor vehicle, reducing false alarms caused by leaves, rain & lighting condition change
SMD Plus by Camera	8-Channels
Vehicle License Plate Comparison	
ANPR by Camera (Number of Channels)	4-Channels
License Plate Database Capacity	1. Create up to 20,000 plate numbers 2. Blocklist & allowlist
Audio & Video	
Access Channel	32-Channels
Network Bandwidth	Ai Disabled: 256Mbps incoming, 256Mbps recording & 256Mbps outgoing Ai Enabled: 180Mbps incoming, 180Mbps recording & 180Mbps 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, 6-Channel 5MP@30fps 8-Channel 4MP@30fps, 16-Channel 1080p@30fps 16-Channel 4MP@30fps, 32-Channel 1080p@30fps Ai Enabled: 1-Channel 16MP@30fps, 2-Channel 12MP@30fps 3-Channel 8MP@30fps, 4-Channel 5MP@30fps 6-Channel 4MP@30fps, 12-Channel 1080p@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 720p *Simultaneous/heterogeneous video sources output for VGA & HDMI is configurable*
Multi-Screen Display	1st Screen: 1, 4, 8, 9, 16, 25, 36 2nd Screen: 1, 4, 8, 9, 16
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 16-Channels
Record Mode	General, motion detection, intelligent & alarm
Backup Method	USB device & network
Playback Mode	Instant playback, general playback, event playback, tag playback & smart playback

Storage

Disk Group	Yes
------------	-----

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 & 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
Alarm Output	4-Channels



HDD Interface	4 SATA ports, each disk can contain up to 16TB. The max. HDD capacity varies with environment temperature
RS-232	1
RS-485	1
USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 ports)
HDMI	1
VGA	1
Network Port	2 (10/100/1000 Mbps Ethernet port, RJ-45)

General

Power Supply	100-240 VAC, 50-60 Hz
Power Consumption	<10W (without HDD)
Net Weight	4.25 kg (10.63lb)
Gross Weight	6.35 kg (14.00lb)
Product Dimensions	440.0 mm × 415.6 mm x 76.0 mm (17.32" × 16.36" × 2.99") (W × D × H)
Packaging Dimensions	529.0 mm × 499.0 mm × 211.0 mm (20.83" × 19.65" × 8.31") (W × D × H)
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Humidity	10% - 93% (RH)
Installation	Rack or desktop
Certifications	FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032:2015+A1:2020; EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A1:2019+A2:2021; EN 55035:2017+A1:2020; EN 50130-4:2011+A1:2014 CE-LVD: EN 62368-1:2014

Dimensions

