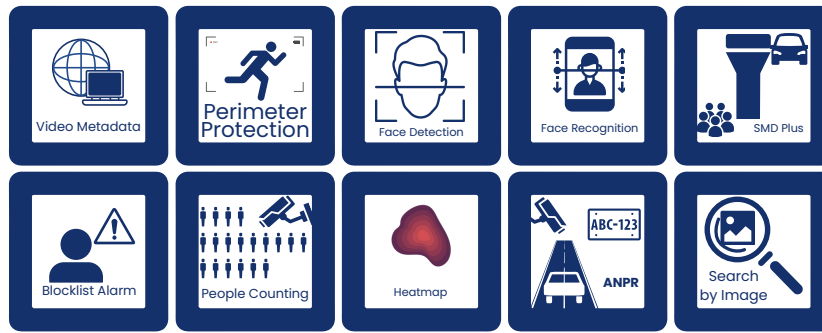




DNVR32ULTRA-Ai



Key Features



- 32-Channel 1080p self-adaptive decoding capability
- Max. 1024, 1024, 1080p self-adaptive decoding capability
- Supports N+M cluster
- Support RAID 0, 1, 5, 6, 10
- Drawer-like chassis design allows for HDD hot swapping
- Ai by Recorder: 4-Channel face detection & recognition, 8-Channel Metadata, 24-Channel perimeter protection, 32-Channel SMD Plus.
- Ai by Camera: Face detection & recognition, perimeter protection, SMD Plus, Metadata, ANPR & people counting



Specifications

System		DNVR32ULTRA-Ai
Main Processor		Industrial-grade processor
Operating System		Embedded Linux
Operating Interface		Web, Local, GUI
Ai		
Ai by Recorder		Face detection, face recognition, video metadata (human, motor vehicles & non-motor vehicles), SMD Plus
Ai by Camera		Face detection, face recognition, video metadata (human, motor vehicles & non-motor vehicles), SMD Plus, stereo analysis, crowd distribution, people counting, ANPR, vehicle density & object monitoring
Perimeter Protection		
Perimeter Performance Ai by Recorder (Number of Channels)		24-Channels, 10 IVS rules for each channel
Perimeter Performance of Ai by Camera (Number of Channels)		32-Channels
Face Detection		
Face Attributes		Gender, age group, glasses, expressions, face mask & beard
Face Detection Performance of Ai by Recorder (Number of Channels)		4-Channels (up to 12 face images/s each channel)
Face Detection Performance of Ai by Camera (Number of Channels)		32-Channels
Face Recognition		
Face Database Capacity		Up to 40 face databases with 300,000 images with a total capacity of 48G. 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)		1.20-Channels FD (by Camera) + FR (by Recorder), image stream: 20 face images 2.4-Channels FD (by Recorder) + FR (by Recorder), video stream: 12 face images
Face Recognition Performance of Ai by Camera (Number of Channels)		32-Channels

**SMD Plus**

SMD Plus by Recorder	32-Channel: Secondary filtering for human & motor vehicle, reducing false alarms caused by leaves, rain & lighting condition change
SMD Plus by Camera	32-Channels

Video Metadata

Metadata Performance of Ai by Recorder (Number of Channels)	8-Channels
Metadata Performance of Ai by Camera (Number of Channels)	32-Channels
Human Attributes	Top color, top type, hat, bag, age, gender & umbrella
Motor Vehicle Attributes	License plate, plate color, vehicle model, vehicle logo, plate color, ornament & calling
Non-Motor Vehicle Attributes	Vehicle model, vehicle color, number of persons & helmet

Vehicle License Plate Comparison

ANPR by Camera (Number of Channels)	32-Channels
License Plate Database	Blocklist & Allowlist: 20,000

Audio & Video

Access Control	32-Channels
Network Bandwidth	Ai Disabled: 1024Mbps incoming, 1024Mbps recording & 800Mbps outgoing Ai Enabled: 512Mbps incoming, 512Mbps recording & 400Mbps outgoing
Resolution	32MP, 24MP, 16MP, 12MP, 8MP, 5MP, 4MP, 1080p, 720p, D1
Decoding Capability	2-Channel 32MP@30fps, 2-Channel 24MP@30fps 4-Channel 16MP@30fps, 8-Channel 8MP@30fps 16-Channel 4MP@30fps, 32-Channel 1080p@30fps 72-Channel 720p@30fps, 160-Channel D1@30fps
Video Output	2-Channel VGA, 4-Channel HDMI video output Simultaneous Mode: Max. resolution of VGA1 & VGA2 is 1080p Max. resolution of HDMI1 & HDMI2 is 4K Max. resolution of HDMI4 is 1080p Heterogeneous Mode: Simultaneous video source output for VGA1 & HDMI1 Simultaneous video source output for VGA2 & HDMI2 Max. resolution of VGA1 & VGA2 is 1080p Max. resolution of HDMI1, HDMI2 & HDMI3 is 4K Max. resolution of HDMI4 is 1080p



Multi-Screen Display	Main Screen: 1, 4, 8, 9, 16, 25, 36 Sub Screen: 1, 4, 8, 9, 16, 25, 36
Third-Party Camera Access	ONVIF, RTSP, Sony, Axis, Arecont, Pelco, Canon & Samsung
Compression Standard	
Video Compression	Smart H.265+, H.265, Smart H.264+, H.264, MPEG4, MJPEG
Audio Compression	G.711A, G.711U, PCM, G726
Network	
Network Protocol	HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, SMTP, UPnP, DDNS, Alarm Server, IP Search, Multicast, P2P, Auto registration & ISCSI
Mobile Phone Access	iOS & Android
Interoperability	ONVIF (Profile S, Profile T, Profile G), CGI & SDK
Browser	Chrome IE 9 or later Firefox
Network Mode	Multi-address mode, load balance, fault tolerance & other network port binding modes
Recording Playback	
Multi-Channel Playback	Up to 16-Channels
Record Mode	Manual, alarm, motion detection & scheduled
Backup Method	Portable hard drive, eSATA disk, burner, USB device & network
Playback Mode	1.Play, pause, stop, fast forward, fast backward, rewind & play by frame 2. Full screen, backup (cut/file), partially enlarge & audio on/off
Storage	
Disk Group	Yes
RAID	RAID 0, 1, 5, 6, 10
Hot Swapping	Yes
Alarm	
General Alarm	Motion detection, video tampering, video loss, scene changing, PIR alarm, IPC external alarm
Anomaly Alarm	Camera offline, storage error, disk full, IP conflict, MAC conflict, login lock, abnormal behavior of fan



Intelligent Alarm	Face detection: Face recognition, perimeter protection (intrusion & tripwire), SMD Plus alarms, ANPR, people counting, stereo analysis, crowd distribution & heat map
Alarm Linkage	Record, snapshot, IPC external alarm output, buzzer, log, preset & email
Port	
Audio Input	1-Channel RCA
Audio Output	2-Channel RCA
Alarm Input	16-Channels
Alarm Output	8-Channels
HDD Interface	8 SATA ports, up to 16TB. The max. HDD capacity varies with environment temp.
eSATA	1
RS-232	1
RS-485	1 x A/B
USB	4 (2 front USB 2.0 ports, 2 rear USB 3.0 ports)
HDMI	4
VGA	2
Network Port	2 (10/100/1000/2500 Mbps Ethernet port, RJ-45)
General	
Power Supply	100–240 VAC, 50/60 Hz
Power Consumption	<18 W (without HDD)
Net Weight	6.4 kg (14.11 lb) (without HDD)
Gross Weight	10.35 kg (22.82 lb) (without HDD)
Product Dimensions	444.0 mm × 456.6 mm × 95.0 mm (17.48" × 17.98" × 3.74") (W × D × H)
Packaging Dimensions	570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (W × D × H)
Operating Temperature	–10 °C to +55 °C (14 °F to +131 °F)
Operating Humidity	10%–93% (RH)
Installation	Rack or desktop
Certifications	FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032:2020, Class A; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; EN 55024:2010+A1:2015; EN 55035:2020; EN 50130-4:2011+A1:2014 CE-LVD: EN 62368-1:2014+A11:2017