Ultra AI 4K Series | NVR8216E-I-16P

16-ch 2 HDD 16 PoE Ultra AI 4K NVR

- Max. 384 Mbps incoming; Max 16 Channel 8MP IPC input;
- 32-channel 1080P decoding capability; Supports adaptive decoding
- Support 4K HDMI output; Up to 16 channels for playback;
- Support P2P, APP Alarm Push;
- AI by camera: Face Detection, Perimeter Protection, Video Metadata and SMD
- AI by NVR: Face Detection, Face Recognition, Perimeter Protection, and SMD

Technical Specifications	
System	
OS	Embedded Linux
OS Operation Interface	Web/operating in local GUI
Perimeter Protection by Camera	
Performance	16 channels
Face Detection by Camera	
Performance	16 channels
Object Detection by Camera	
Performance	16 channels
SMD by Camera	
Performance	16 channels
Perimeter Protection by NVR	
Performance	4 channels
Face Detection by NVR	
Performance	4 channels
Face Recognition by NVR	
Performance	2 channels(20 face databases with 100,000 face pictures in total)
SMD by NVR	
Performance	8 channels
Video&Audio Input	
Max bandwidth	384Mbps
IPC Input	16CH
Video & Audio Output	
VGA	1920×1080,1280×1024,1280×720
HDMI	3840×2160,1920×1080,1280×1024,1280×720
Audio Output	1CH, RCA (Line out,2Vp-p,300ohms)
Audio Encoding	
Audio Compression	G.711A
Audio Bit Rate	64Kbps

This datasheet is subject to change without prior notice. Please contact us to get the latest datasheet.

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Video&Audio Decoding	
IP channel Resolution	Up to 3840×2160
Video decoding	H.265（Main Profile@L5.0 High-tie）/H.264 Up to High Profile@Level5.0）
Audio decoding	G.711A, G711U, G726
Synchronous Playback	16CH
Decoding Ability	32CH 1080P@30FPS/8CH 4K@30FPS
Preview	
Synchronous Preview	16
Multi-screen Display	1, 4, 8, 9, 16, 25 views
Playback	
Record Mode	Manual; Schedule (general; MD; alarm; intelligent)
AI Search	Search by target classification (human, vehicle, non-motor vehicle)
Backup	USB device
Playback Function	1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. Full screen; backup (cut/file) ; partially enlarge; audio on/off
Network	
Network Protocol	HTTP; TCP/IP; IPv4; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; P2P; Auto register
Mobile Phone Access	Android; iOS
Interoperability	ONVIF; SDK
Browser	IE; Edge; Google; Firefox
HDD	
SATA	2
ESATA	1
Max Capacity	16 TB
External Interface	
PoE Ports	16
Network Interface	2 RJ-45(10/100/1000 Mbps)
VGA	1
HDMI	2
USB	2 USB 2.0 (on back panel)，2 USB 2.0+1 USB 3.0 (On front)
RCA Input	1
RCA Output	2
Alarm Input	16
Alarm Output	8
RS-232	1
RS-485	1
Reset	1(on the mainboard)

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Other Function	
IPC Access	Support One-Click add IPC function
Two-way Talk	Yes
Alarm Linkage	Record; Snapshot; Buzzer; Log; Preset; Email
Picture Capture	Support JPEG Capture
General Parameter	
Front Panel	JS
Packing	405x365x123mm
Dimensions	1U 360x311.5x48mm
Weight	3Kg（No HDD）
Installation	Desktop Installation
Power Supply	AC110V~220V±10%　47Hz～63Hz
Working Temperature	-10℃--＋55℃
Working Humidity	10％--90％
Consumption	20W (without HDD,without POE)
Certifications	
Certifications	CE/FCC

Dimensions