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;
- Al by camera: Face Detection, Perimeter Protection, Video Metadata and SMD
- Al 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	

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

IP channel Resolution Up to 3840×2160 Video decoding H.265 (Main Profile@LS.0 High-tie.) / H.264 Up to High Profile@LevelS.0) Audio decoding G.711A, G711U, G726 Synchronous Playback 16CH Decoding Ability 3CU1080P@30FPS/8CH4K@30FPS Preview Freview Synchronous Preview 16 Multi-screen Display 1,4,8,9,16,25 views Playback Feed of Mode Manual; Schedule (general; MD; alarm; intelligent) At Search Search by target classification (human, vehidle, non-motor vehicle) Backup USB device Plays pause; stop; fast forward; fast backward; rewind; play by frame 2, Full screen; backup (cut/file); partially enlarge; audio on/off Network HTTP; TCP/IP; IPv4; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; Mobile Phone Access Android; IOS Interoperability ONVIF; SDK Browser 16; Fadge; Google; Firefox HOD Frederical Interface Pop Ports 16 Network interface 2 RJ 45(10/100/1000 Mbps) VGA 1 HIDMI 2	Video&Audio Decoding	
Audio decoding G.711A, G.711U, G.726 Synchronous Playback 16CH Decoding Ability 32CH 1080P@30FPS/8CH 4K@30FPS Preview Synchronous Preview Multi-screen Display 1, 4, 8, 9, 16, 25 views Playback Record Mode Record Mode Manual; Schedule (general; MD; alarm; intelligent) Al 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, Eull screen; backup (cut/file); partially enlarge; audio on/off Network Network Protocol Metwork Protocol HITTP; TCP/IP; IPv4; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; P2P; Auto register Mobile Phone Access Android; IOS Interoperability ONVIP; SDK Browser IE; Edge; Google; Firefox HDD 5ATA SATA 2 ESATA 1 Max Capacity 16 T8 External Interface 2 RJ-45(10/100/1000 Mbps) VGA 1 HOMI 2	IP channel Resolution	Up to 3840×2160
Synchronous Playback 16CH Decoding Ability 32CH 1080P@30FPS/8CH 4K@30FPS Preview Synchronous Preview Synchronous Preview 1.4, 8, 9, 16, 25 views Playback Manual; Schedule (general; MD; alarm; intelligent) All 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 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 IE; Edge; Google; Firefox HDD IE SATA 2 Essertal Interface IE Pot 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 16 <td>Video decoding</td> <td>H.265(Main Profile@L5.0 High-tie)/H.264 Up to High Profile@Level5.0)</td>	Video decoding	H.265(Main Profile@L5.0 High-tie)/H.264 Up to High Profile@Level5.0)
Decoding Ability 32CH 1080P@30FPS/8CH 4K@30FPS Preview 5ynchronous Preview 16 Multi-screen Display 1, 4, 8, 9, 16, 25 views Playback Western Display 1, 4, 8, 9, 16, 25 views Record Mode Manual; Schedule (general; MD; alarm; intelligent) Al Search Al Search Search by target classification (human, vehicle, non-motor vehicle) Backup USB device Playback Function 2. Pull screen; backup (cut/file); partially enlarge; audio on/off Network 2. Full screen; backup (cut/file); partially enlarge; audio on/off 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 Intercoperability ONVIF; SDK Browser IE; Edge; Google; Firefox HDD 2 SATA 2 ESSATA 1 Max Capacity 16 TB External Interface 2 RI-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) <td>Audio decoding</td> <td>G.711A, G711U, G726</td>	Audio decoding	G.711A, G711U, G726
Preview Synchronous Preview 16 Multi-screen Display 1, 4, 8, 9, 16, 25 views Playback Record Mode Manual; Schedule (general; MD; alarm; intelligent) Al 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; but screen; backup (cut/file); partially enlarge; audio on/off Network 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 2 RI-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 Output 8 RS-232	Synchronous Playback	16CH
Synchronous Preview16Multi-screen Display1, 4, 8, 9, 16, 25 viewsPlaybackPlaybackRecord ModeManual; Schedule (general; MD; alarm; intelligent)Al SearchSearch by target classification (human, vehicle, non-motor vehicle)BackupUSB devicePlayback Function1, Play; pause; stop; fast forward; fast backward; rewind; play by frame 2, Full screen; backup (cut/file); partially enlarge; audio on/offNetworkHTTP; TCP/IP; IPv4; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; P2P; Auto registerMobile Phone AccessAndroid; IOSInteroperabilityONVIF; SDKBrowserIE; Edge; Google; FirefoxHDDSATA2ESATA1Max Capacity16 TBExternal InterfaceExternal InterfaceVGA1HDMI2USB2 USB 2.0 (on back panel), 2 USB 2.0+1 USB 3.0 (On front)RCA Input1RCA Output2Alarm Iniput16Alarm Output8RS-2321RS-4851	Decoding Ability	32CH 1080P@30FPS/8CH 4K@30FPS
Multi-screen Display 1, 4, 8, 9, 16, 25 views Playback Record Mode Manual; Schedule (general; MD; alarm; intelligent) Al 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 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 Veror 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-285 1	Preview	
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Record Mode Manual; Schedule (general; MD; alarm; intelligent) Al 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 2 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	Multi-screen Display	1, 4, 8, 9, 16, 25 views
Al Search Search by target classification (human, vehicle, non-motor vehicle) Backup USB device 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 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 RI-45(10/100/1000 Mbps) VGA 1 HDMI 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 1	Playback	
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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	Interoperability	ONVIF; SDK
SATA 2 ESATA 1 Max Capacity 16 FB 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 6 Alarm Output 8 RS-232 1 RS-485 1	Browser	IE; Edge; Google; Firefox
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Max Capacity16 TBExternal InterfacePoE Ports16Network Interface2 RI-45(10/100/1000 Mbps)VGA1HDMI2USB2 USB 2.0 (on back panel), 2 USB 2.0+1 USB 3.0 (On front)RCA Input1RCA Output2Alarm Input16Alarm Output8RS-2321RS-4851	SATA	2
PoE Ports 16 Network Interface 2 RJ-45(10/100/1000 Mbps) VGA 1 HDMI 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	ESATA	1
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HDMI 2 USB 2.0 (on back panel), 2 USB 2.0+1 USB 3.0 (On front) RCA Input 1 1 RCA Output 2 2 Alarm Input 16 Alarm Output 8 RS-232 1 1 RS-485 1	Network Interface	2 RJ-45(10/100/1000 Mbps)
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RCA Input 1 RCA Output 2 Alarm Input 16 Alarm Output 8 RS-232 1 RS-485 1	HDMI	2
RCA Output 2 Alarm Input 16 Alarm Output 8 RS-232 1 RS-485 1	USB	2 USB 2.0 (on back panel), 2 USB 2.0+1 USB 3.0 (On front)
Alarm Input 16 Alarm Output 8 RS-232 1 RS-485 1	RCA Input	1
Alarm Output 8 RS-232 1 RS-485 1	RCA Output	2
RS-232 1 RS-485 1	Alarm Input	16
RS-485 1	Alarm Output	8
	RS-232	1
Reset 1(on the mainboard)	RS-485	1
	Reset	1(on the mainboard)

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

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

