UNV 16CH 16MP AI+ NVR System, 16 PoE





NDAA Compliant • 16CH IP (up to 16MP) • 16 PoE • Ultra 265 CODEC • 320Mbps Incoming Bandwidth • 160Mbps Outgoing Bandwidth • Face Detection • Vehicle Detection • SIP • UMD • All Ch. Face/Vehicle Detection, UMD, SIP By IPC • 8-ch(UMD); 4-ch(SIP) by NVR • 4 SATA • RAID

FEATURES

- Support Ultra 265 / H.265 / H.264 video formats
- 16 channel input
- Plug & Play with 16 independent PoE network interfaces
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols
- Support 1 ch HDMI, 1 ch VGA. HDMI up to 4K (3840 × 2160) resolution
- VGA and HDMI independent output
- Up to 16 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected

- Support cloud upgrade

SPECIFICATIONS

Decoding	
Decoding Format	Ultra 265,H.265,H.264
Decoding Capability (Smart Off)	2 × 16MP@30, 2 × 12MP@30, 4 × 4K@30, 8 × 4MP@30, 10 × 3MP@30, 16 × 1080P@30
Decoding Capability (Smart On)	2 × 12MP@30, 2 × 4K@30, 6 × 4MP@30, 8 × 3MP@30, 12 × 1080P@30, 16 × 720P@30
Audio Compression	G.711A,G.711U
Network	
Incoming Bandwidth (Smart Off)	320Mbps
Incoming Bandwidth (Smart On)	160Mbps
Outgoing Bandwidth	160Mbps
Remote Users	128
Protocols	TCP / IP;P2P;NTP;DHCP;PPPoE;HTTP;HTTPS;DNS;DDNS;SNMP;SMTP;NFS;RTSP;IPV6
Browser(Plugin)	Windows:IE(IE10/11),Firefox (version 52.0 and above),Chrome(version 45 and above),Edge(version 79 and above)
Video / Audio Input	
IP Video Input	16-ch
RCA Audio Input	1-ch
Video / Audio Output	
HDMI Output	HDMI:4K(3840 × 2160) / 30Hz, 1920 × 1080p / 60Hz, 1920 × 1080p / 50Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz
VGA Output	VGA:1920 × 1080p / 60Hz, 1920 × 1080p / 50Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz
RCA Audio Output	1-ch

Liveview Display	1 / 4 / 6 / 8 / 9 / 16
Corridor Mode Screen	3 / 4 / 5 / 7 / 9 / 10 / 12 / 16
Two-way Audio	
Two-way Audio	1-ch,RCA(Using the audio input and output)
Snapshot	
FTP / Schedule / Event Snapshot	4-ch snapshot,up to 4K resolution
Recording	
Recording Resolution	16MP / 12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P / D1 / 2CIF / CIF
Synchronous Playback in Local	16-ch
Smart	
VCA Detection by IPC	Vehicle Detection;SIP(Intrusion Detection,Cross Line Detection,Enter Area,Leave Area);Ultra Motion Detection(UMD);Temperature Detection(Fire Detection,Smoking Detection,Temperature Measurement,Smoke and Fire Detection);People Counting(People Flow Counting,Crowd Density Monitoring);Video Metadata;Traffic Monitoring
Smart by NVR	Smart Intrusion Prevention (SIP);Ultra Motion Detection(UMD)
VCA Search	Motor Vehicle Search;Non-Motor Vehicle Search; General Search;People Counting Report;Heat Map
Smart by IPC	All channels (up to 8 images/s in total)
	Vehicle Detection,Temperature Detection,SIP,UMD,Video Metadata,Traffic Monitoring
Search by Image	Support
Vehicle Picture Library	Up to 5 vehicle picture libraries,with up to 25,000 vehicle pictures in total
SIP by NVR	4-ch
UMD by NVR	8-ch
Capacity of Snapshot Records	2 millions records for vehicle snapshot;3 millions records for SIP;2 millions records for video Metadata
Alarm	

General Alarm	Defocus Detection;Scene Change Detection;Object Left Behind;Object Removed;Auto Tracking;Motion Detection;Tampering;Human Body Detection;Video Loss;Alarm Input;Audio Detection
Alert Alarm	IP Conflict;Network Disconnected;Disk Offline;Disk Abnormal;Illegal Access;Hard Disk Space Low;Hard Disk Full;Recording / Snapshot Abnormal;Array Damaged;Array Degraded
GUI Language	
GUI Language	38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian
Hard Disk	
SATA	2 SATA Interfaces
Capacity	Up to 16TB for each HDD(The maximum HDD capacity varies with environment temperature)
Disk Group	Support
Redundant Storage	Support
Disk Array Type	RAID 1
External Interface	
Network Interface	1 RJ45 10M / 100M / 1000M self-adaptive Ethernet Interface
USB	Front panel: 1 x USB2.0;Rear panel: 1 x USB2.0, 1 x USB3.0
RS485	1
RS232	N / A
Alarm In	8-ch
Alarm Out	2-ch
Power Supply	AC 100 ~ 240V
Power Switch	Support
PoE	
Interface	16 RJ45 10M / 100M self-adaptive Ethernet Interface
Max Power	Max 30W for single port,Max 240W in total
Supported Standard	IEEE 802.3at,IEEE 802.3af

Working Environment	
Working Temperature	-10°C ~ + 50°C (+14°F ~ +122°F)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 12W
Dimensions	
Weight (without HDD)	≤ 2.7Kg (6.0lb)
Height	1U
Dimensions	380mm × 322mm × 53mm (15.0" × 12.7" × 2.1")
Certification	
Certification	CE, FCC, UL, RoHS, WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	Part15 Subpart B