

## DS-9664NXI-I16R/VPro I/VPro Series NVR with AcuSeek



- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on Guanlan Large-Scale AI Models
- Up to 64-ch AcuSeek and AcuSearch function
- Up to 8-ch facial recognition for face picture
- Up to 64-ch IP camera inputs
- Up to 32-ch 1080p decoding capability

## ▪ Function

### Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel IP cameras connection
- Compatible to third-party network cameras

### HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 4K resolution

### Storage and Playback

- Up to 16 SATA interfaces for HDD connection
- 16-ch synchronous playback

### Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Integrates SmartSearch, AcuSearch, and AcuSeek functions for optimized playback efficiency
- POS triggered recording and alarm, POS information overlay on live view and playback

### Network & Ethernet Access

- 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

## ▪ Specification

| Intelligent Analytics                      |                                                                                                                                                                                                                                                                      |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AI by NVR                                  | Facial recognition                                                                                                                                                                                                                                                   |
| AI by NVR and Camera                       | Facial recognition, perimeter protection, video structuralization, AcuSearch, motion detection 2.0, ANPR, people counting, AcuSeek                                                                                                                                   |
| Engine                                     | 2 engines. 1 is for face picture and AcuSearch. 1 is for AcuSeek                                                                                                                                                                                                     |
| Facial Recognition                         |                                                                                                                                                                                                                                                                      |
| Face Picture Library                       | Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture ≤ 4 MB, total capacity ≤ 1 GB)                                                                                                                                               |
| Face Picture Comparison                    | 8-ch                                                                                                                                                                                                                                                                 |
| Facial Detection and Analytics             | Face picture comparison, human face capture, face picture search                                                                                                                                                                                                     |
| Facial Detection and Analytics Performance | 4-ch human face capture (HD network camera, 4-ch 2MP, 2-ch 4MP, 1-ch 8MP, H.264/H.265)                                                                                                                                                                               |
| AcuSearch                                  |                                                                                                                                                                                                                                                                      |
| Performance                                | If the cameras support Hikvision AcuSense Technology and have enabled AcuSearch function, the NVR supports AcuSearch in all channels, capable of modeling 300,000 targets/day.                                                                                       |
| AcuSeek                                    |                                                                                                                                                                                                                                                                      |
| Performance                                | If the cameras support Hikvision AcuSense Technology and have enabled AcuSearch function, the NVR supports AcuSeek in all channels, capable of modeling 300,000 targets/day.                                                                                         |
| Search Language                            | English, French, Italian, German, Polish, Portuguese, Thai, Russian, Arabic, Turkish, Spanish, Dutch, Romanian, Czech, Swedish, Croatian, Latvian, Ukrainian, Hungarian, Danish, Japanese, Korean, Vietnamese, Indonesian, Brazilian Portuguese, Traditional Chinese |
| ANPR                                       |                                                                                                                                                                                                                                                                      |
| By Camera                                  | All channels                                                                                                                                                                                                                                                         |
| Vehicle Attributes                         | Plate number, license plate color, license plate type                                                                                                                                                                                                                |
| Plate Attributes                           | Vehicle brand, vehicle color, vehicle type                                                                                                                                                                                                                           |
| Video and Audio                            |                                                                                                                                                                                                                                                                      |
| IP Video Input                             | 64-ch                                                                                                                                                                                                                                                                |
| Incoming Bandwidth                         | 384 Mbps                                                                                                                                                                                                                                                             |
| Outgoing Bandwidth                         | 256 Mbps                                                                                                                                                                                                                                                             |
| Video Output Mode                          | HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output                                                                                                                                                                                                       |
| CVBS Output                                | NA                                                                                                                                                                                                                                                                   |
| Audio Output                               | 2-ch, RCA (Linear, 1 KΩ)                                                                                                                                                                                                                                             |
| Two-Way Audio                              | 1-ch, RCA (2.0 Vp-p, 1 KΩ)                                                                                                                                                                                                                                           |
| HDMI 1 Output                              | 4K ( 3840×2160 ) /30Hz , 2K ( 2560×1440 ) /60Hz , 1080P ( 1920×1080 ) /60Hz , 720P ( 1280×720 ) /60Hz                                                                                                                                                                |
| HDMI 2 Output                              | 1080P ( 1920×1080 ) /60Hz , 720P ( 1280×720 ) /60Hz                                                                                                                                                                                                                  |
| VGA 1 Output                               | 1080P ( 1920×1080 ) /60Hz , 720P ( 1280×720 ) /60Hz                                                                                                                                                                                                                  |
| VGA 2 Output                               | 1080P ( 1920×1080 ) /60Hz , 720P ( 1280×720 ) /60Hz                                                                                                                                                                                                                  |

| Decoding                  |                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Decoding Format           | H.265+, H.265, H.264+, H.264                                                                                                                                                                                                                                                                                                                                                                |
| Recording Resolution      | 32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF<br>*: The NVR supports up to 4-ch 32 MP/24 MP IP video inputs.                                                                                                                                                                                                                                       |
| Synchronous playback      | 16-ch                                                                                                                                                                                                                                                                                                                                                                                       |
| Live View Window Division | 1/2/4/6/8/9/16/25/36/64                                                                                                                                                                                                                                                                                                                                                                     |
| Aux Port Window Division  | 1/2/4/6/8/9/16/25/36                                                                                                                                                                                                                                                                                                                                                                        |
| Decoding Capability       | Enable AI by NVR: 20-ch@1080p (30 fps)<br>Disable AI by NVR: 32-ch@1080p (30 fps)                                                                                                                                                                                                                                                                                                           |
| Audio Compression         | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM                                                                                                                                                                                                                                                                                                                                               |
| Dual-Stream Recording     | Support                                                                                                                                                                                                                                                                                                                                                                                     |
| Stream Type               | Video, Video & Audio                                                                                                                                                                                                                                                                                                                                                                        |
| Network                   |                                                                                                                                                                                                                                                                                                                                                                                             |
| Network Interface         | 2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface                                                                                                                                                                                                                                                                                                                                  |
| Remote Connection         | 128                                                                                                                                                                                                                                                                                                                                                                                         |
| Network Protocol          | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS, ONVIF, OTAP                                                                                                                                                                                                                                                                         |
| API                       | ONVIF (profile S/G); SDK; ISAPI                                                                                                                                                                                                                                                                                                                                                             |
| Compatible Browser        | IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version                                                                                                                                                                                                                                                                                                                       |
| RAID                      |                                                                                                                                                                                                                                                                                                                                                                                             |
| RAID Type                 | RAID0, RAID1, RAID5, RAID6, RAID10                                                                                                                                                                                                                                                                                                                                                          |
| Auxiliary Interface       |                                                                                                                                                                                                                                                                                                                                                                                             |
| SATA                      | 16 SATA interfaces                                                                                                                                                                                                                                                                                                                                                                          |
| Serial Interface          | 1 RS-232, 1 RS-485 (full-duplex)                                                                                                                                                                                                                                                                                                                                                            |
| Capacity                  | Up to 20 TB capacity for each disk                                                                                                                                                                                                                                                                                                                                                          |
| eSATA                     | 1 eSATA interface                                                                                                                                                                                                                                                                                                                                                                           |
| Alarm In/Out              | 16/9                                                                                                                                                                                                                                                                                                                                                                                        |
| USB Interface             | Front panel: 2× USB 2.0; Rear panel: 2 × USB 3.0                                                                                                                                                                                                                                                                                                                                            |
| Ctrl 12V                  | Controllable 12 VDC, 1 A power output for external alarm device; The power will be turned on when the alarm output is triggered. *: The Ctrl 12V power is controlled by alarm output 9.                                                                                                                                                                                                     |
| DC 12V                    | 12 VDC, 1 A power output                                                                                                                                                                                                                                                                                                                                                                    |
| General                   |                                                                                                                                                                                                                                                                                                                                                                                             |
| Power Supply              | 100 to 240 VAC, 50 to 60 Hz, redundant power supply                                                                                                                                                                                                                                                                                                                                         |
| GUI Language              | English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian, Hebrew |
| Consumption               | ≤ 50 W (without HDD)                                                                                                                                                                                                                                                                                                                                                                        |
| Working Temperature       | -10 °C to 55 °C (14 °F to 131 °F)                                                                                                                                                                                                                                                                                                                                                           |
| Working Humidity          | 10% to 90%                                                                                                                                                                                                                                                                                                                                                                                  |
| Chassis                   | 3U chassis                                                                                                                                                                                                                                                                                                                                                                                  |
| Dimension (W × D × H)     | 442 x 498 x 146 mm ( 17.40" x 19.59" x 5.75" )                                                                                                                                                                                                                                                                                                                                              |
| Weight                    | ≤ 12.5 kg (without HDD, 27.6 lb.)                                                                                                                                                                                                                                                                                                                                                           |

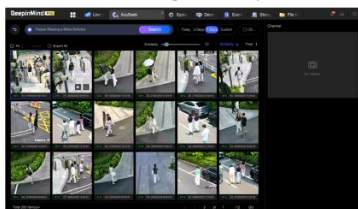
## Certification

|                        |                                                |
|------------------------|------------------------------------------------|
| Obtained Certification | CE, CB, REACH, WEEE, UKCA, RCM, IC, LOA        |
| CE                     | EN 55032, EN 61000-3-2, EN 61000-3-3, EN 55035 |

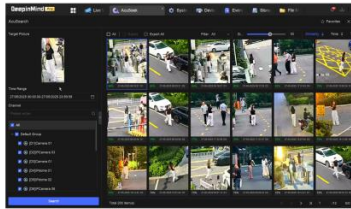
## Typical Application

### Typical Application

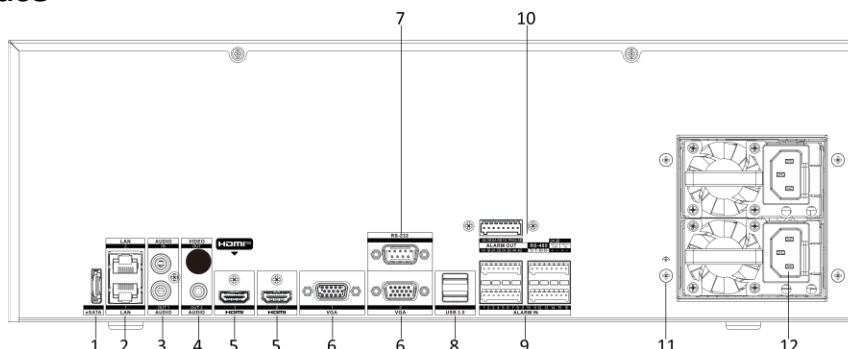
① Using the AcuSeek function, users can input target characteristic descriptions to search for corresponding targets. Then system will return search results matching the description.



② Once the target is identified, use the AcuSearch function to retrieve all capture of the target across all channels and trace historical events.



## Physical Interface

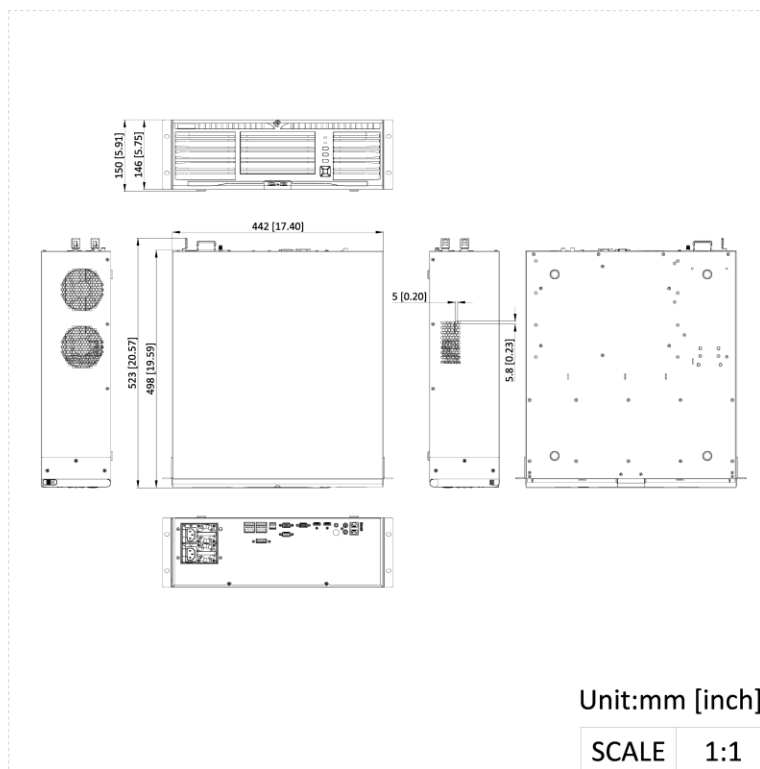


| No. | Description           | No. | Description                              |
|-----|-----------------------|-----|------------------------------------------|
| 1   | eSATA interface       | 7   | RS-232 interface                         |
| 2   | LAN1/LAN2 interface   | 8   | USB 3.0 interface                        |
| 3   | AUDIO IN/OUT          | 9   | ALARM IN                                 |
| 4   | AUDIO/VIDEO OUT       | 10  | ALARM OUT, RS-485, Ctrl 12 V and DC 12 V |
| 5   | HDMI1/HDMI2 interface | 11  | GND                                      |
| 6   | VGA1/VGA2 Interface   | 12  | 100 to 240 VAC power supply              |

## Available Model

DS-9664NXI-I16R/VPro(STD)

## Dimension



# See Far, Go Further



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