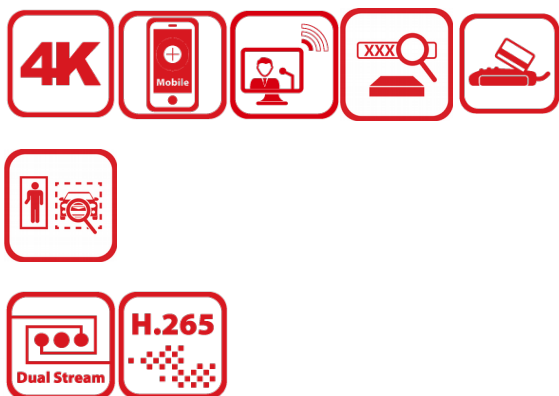


DS-9600  
I/VPr



- 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
- Up to 8-ch IP speakers can be connected

## ■ Function

### Compression and Recording

- ② H.265+ compression effectively reduces the storage space by up to 75%
- ② Full channel IP cameras connection
- ② Compatible to third-party network cameras

### HD Video Output

- ② Provide independent HDMI and VGA outputs
- ② HDMI video output at up to 4K resolution

### Storage and Playback

- ② Up to 16 SATA interfaces for HDD connection
- ② 16-ch synchronous playback

### Smart & POS Function

- ② Support multiple VCA (Video Content Analytics) events
- ② Integrates SmartSearch, AcuSearch, and AcuSeek functions for optimized playback efficiency
- ② POS triggered recording and alarm, POS information overlay on live view and playback

### Network & Ethernet Access

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

## ■ Specification

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Intelligent Analytics</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Facial Recognition</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AcuSearch</b>                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AcuSeek</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ANPR</b>                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| By Camera                                  | <p>All channels</p> <p>Support Countries &amp; Regions:</p> <ol style="list-style-type: none"> <li>1. Myanmar, Philippines, Indonesia, Vietnam, Pakistan, New Zealand, Australia, Sri Lanka, Singapore, Malaysia</li> <li>2. Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, The United Kingdom, Ireland, Germany, Italy, Austria, Palestine, Latvia, Lithuania, Estonia, Belgium, Luxembourg, Ukraine, Uzbekistan, Kazakhstan, Mongolia, Moldova, Kyrgyzstan, Azerbaijan, Georgia, Armenia, Albania, Kosovo, Belarus, Cyprus, Denmark, Finland, Malta, Portugal, Romania, Slovenia, Sweden, Israel, Bosnia and Herzegovina, Turkmenistan, Montenegro, Serbia, Tajikistan, Iceland, Liechtenstein</li> <li>3. Argentina, Brazil, Chile, Colombia, Peru, Ecuador, Paraguay, Uruguay, Salvador, Bolivia, Canada, Algeria, Mexico, Panama, Costa Rica, Nigeria, Kenya, Mauritius, Tanzania, Cote d'Ivoire, South Africa, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Republic of Trinidad and Tobago, Dominica, Guatemala, Senegal, Algeria, Cameroon</li> <li>4. Qatar, Kuwait, Oman, Jordan, Lebanon, Iraq, United Arab Emirates, Saudi Arabia, Bahrain, Egypt, Libya</li> </ol> |
| Vehicle Attributes                         | Plate number, license plate color, license plate type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Plate Attributes                           | Vehicle brand, vehicle color, vehicle type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Video and Audio</b>                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| IP Video Input                             | 64-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

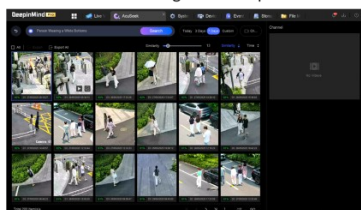
|                            |                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                                                                            |
| <b>Decoding</b>            |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Decoding Format            | H.265+, H.265, H.264+, H.264                                                                                                                                                                                                                                                                                                                                                                         |
| Recording Resolution       | 32 MP/24 MP/16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA / 4CIF/DCIF/2CIF/CIF/QCIF<br>*: Support resolution width/height less than 8192 pixels, total not exceeding 32MP.<br>*: The NVR supports up to 4-ch of >12MP IP video input.                                                                                                                                                     |
| 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)                                                                                                                                                                                                                                                                                                                    |
| Dual-Stream Recording      | Support                                                                                                                                                                                                                                                                                                                                                                                              |
| Audio Compression          | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM                                                                                                                                                                                                                                                                                                                                                        |
| Stream Type                | Video, Video & Audio                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Network</b>             |                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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                                                                                                                                                                                                                                                                                                                                |
| <b>RAID</b>                |                                                                                                                                                                                                                                                                                                                                                                                                      |
| RAID Type                  | RAID0, RAID1, RAID5, RAID6, RAID10<br>The RAID function and AI functions cannot be enabled simultaneously.                                                                                                                                                                                                                                                                                           |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                                                                                                                                                                                      |
| SATA                       | 16 SATA interfaces, Hot swap.                                                                                                                                                                                                                                                                                                                                                                        |
| 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                                                                                                                                                                                                                                                                                                                                                                             |
| <b>General</b>             |                                                                                                                                                                                                                                                                                                                                                                                                      |
| GUI Language               | English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian, Hebrew |
| Power Supply               | 100 to 240 VAC, 50 to 60 Hz                                                                                                                                                                                                                                                                                                                                                                          |
| 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.)                          |
| <b>Certification</b>   |                                                            |
| Obtained Certification | CE, CB, REACH, WEEE, UKCA, RCM, IC, LOA, KC                |
| CE                     | EN 55032, EN 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 |

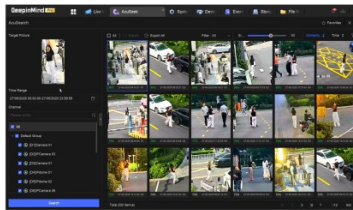
## Typical Application

### 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



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| 2 |  | L<br>A<br>N<br>1<br>/<br>L<br>A<br>N<br>2               | 9      | A<br>L<br>A<br>R<br>M<br><br>I<br>N                                    |
| 3 |  | A<br>U<br>D<br>I<br>O<br><br>I<br>N<br>/<br>O<br>U<br>T | 1<br>0 | A<br>L<br>A<br>R<br>M<br><br>O<br>U<br>T<br>,<br>R<br>S<br>-<br>4<br>8 |

|   |  |                                                                                                                 |                                                                                   |
|---|--|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|   |  |                                                                                                                 | 5<br>,<br>C<br>t<br>r<br>l<br>1<br>2<br>V<br>a<br>n<br>d<br>D<br>C<br>1<br>2<br>V |
| 4 |  | A<br>U<br>D<br>I<br>O<br>/<br>V<br>I<br>D<br>E<br>O<br>O<br>U<br>T<br>H<br>D<br>M<br>I<br>1<br>/<br>H<br>D<br>M | 1<br>1<br>G<br>N<br>D                                                             |
| 5 |  |                                                                                                                 | 1<br>2<br>1<br>0<br>0<br>t<br>o                                                   |

|   |  |                                                                                            |                                                                                           |
|---|--|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|   |  | I<br>2<br><br>i<br>n<br>t<br>e<br>r<br>f<br>a<br>c<br>e                                    | 2<br>4<br>0<br><br>V<br>A<br>C<br><br>p<br>o<br>w<br>e<br>r<br>s<br>u<br>p<br>p<br>l<br>y |
| 6 |  | V<br>G<br>A<br>1<br>/<br>V<br>G<br>A<br>2<br><br>I<br>n<br>t<br>e<br>r<br>f<br>a<br>c<br>e | 1<br>3<br><br>P<br>o<br>w<br>e<br>r<br>s<br>w<br>i<br>t<br>c<br>h                         |
| 7 |  | R<br>S<br>-<br>2<br>3<br>2<br><br>i                                                        |                                                                                           |



## ■ Available Model

DS-9664NXI-I16/VPro(STD)

DS-9664NXI-I16/VPro(NEU)

## ■ Dimension

