

## LTN8916D-P16N

### Platinum Plus MD 2.0 / VCA NVR



- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Up to 4-ch VCA
- Up to 4-ch facial recognition for video stream
- Up to 8-ch facial recognition for face picture
- Up to 16-ch IP camera inputs
- Up to 32-ch 1080p decoding capability
- Up to 8-ch IP speakers can be connected

#### ▪ 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 4 SATA interfaces for HDD connection
- 16-ch synchronous playback

##### Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Smart search for the selected area in the video, and smart playback to improve the playback efficiency
- POS information overlay on live view and playback
- POS triggered recording and alarm

##### Network & Ethernet Access

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

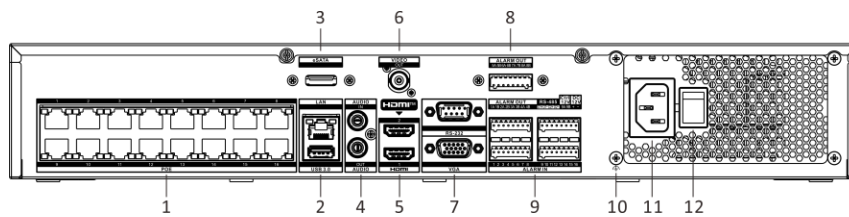
## ▪ Specification

| Intelligent Analytics                                    |                                                                                                                                                                                       |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AI by NVR                                                | Facial recognition, VCA, motion detection 2.0<br>* The NVR's built-in facial recognition feature cannot be used simultaneously with Direct Search or VCA.                             |
| AI by Camera                                             | Facial recognition, VCA, video structuralization, throwing objects from building, motion detection 2.0, ANPR, people counting, VCA                                                    |
| Engine                                                   | 1, engine mode is adjustable                                                                                                                                                          |
| Facial Recognition                                       |                                                                                                                                                                                       |
| Facial Recognition Capabilities                          | Face picture comparison, human face capture, face picture search                                                                                                                      |
| Face Attributes                                          | Wearing glasses, wearing a mask, facial expression, body temperature                                                                                                                  |
| Face Picture Library                                     | Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 1 GB)                                                              |
| Face Picture Comparison by camera (Captured from Camera) | MAX 8-ch, require a compatible face capture cameras                                                                                                                                   |
| Facial Recognition and Analytics Performance by NVR      | Supports human face capture with HD network camera: up to 4-ch at 1080P, 2-ch at 4MP, or 1-ch at 8MP (H.264/H.265 supported).<br>* Performed without a compatible face capture camera |
| Motion Detection 2.0                                     |                                                                                                                                                                                       |
| By NVR                                                   | All channels for Platinum Plus cameras                                                                                                                                                |
| By Camera                                                | All channels                                                                                                                                                                          |
| VCA                                                      |                                                                                                                                                                                       |
| By NVR                                                   | 4-ch, 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm;<br>Up to 12 rules in total                                                           |
| By Camera                                                | All channels                                                                                                                                                                          |
| 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                                           | 16-ch                                                                                                                                                                                 |
| Incoming Bandwidth                                       | 160 Mbps                                                                                                                                                                              |
| Outgoing Bandwidth                                       | 256 Mbps                                                                                                                                                                              |
| HDMI 1 Output                                            | 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz                                                                                                                     |
| HDMI 2 Output                                            | 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz                                                                                                                     |
| VGA Output                                               | 1920 × 1080/60 Hz                                                                                                                                                                     |
| Video Output Mode                                        | HDMI1/VGA simultaneous output, HDMI2 independent output                                                                                                                               |
| CVBS Output                                              | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                                                                                               |
| Audio Output                                             | 1-ch, RCA (Linear, 1 KΩ)                                                                                                                                                              |
| Two-Way Audio                                            | 1-ch, RCA (2.0 Vp-p, 1 KΩ)                                                                                                                                                            |
| 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>32MP/24MP/12MP/8MP/7MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/D<br>CIF/2CIF/CIF/QCIF<br>*: The NVR supports up to 4-ch 32 MP/24 MP IP video inputs.                                                                                                                                                      |
| Synchronous Playback       | 16-ch                                                                                                                                                                                                                                                                                                                                                                                                |
| 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                                                                                                                                                                                                                                                                                                                                                                                              |
| Stream Type                | Video, Video & Audio                                                                                                                                                                                                                                                                                                                                                                                 |
| Live View Window Division  | 1/2/4/6/8/9/16                                                                                                                                                                                                                                                                                                                                                                                       |
| Aux Port Window Division   | 1/2/4/6/8/9/16                                                                                                                                                                                                                                                                                                                                                                                       |
| Audio Compression          | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM                                                                                                                                                                                                                                                                                                                                                        |
| <b>Network</b>             |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Network Interface          | 1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface<br>1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface                                                                                                                                                                                                                                                                             |
| Remote Connection          | 128                                                                                                                                                                                                                                                                                                                                                                                                  |
| Network Protocol           | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS, ONVIF(Version 2.2), OTAP                                                                                                                                                                                                                                                                           |
| API                        | ONVIF (profile S/G); SDK; ISAPI                                                                                                                                                                                                                                                                                                                                                                      |
| Compatible Browser         | IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version                                                                                                                                                                                                                                                                                                                                |
| Camera Access Protocol     | ONVIF(Version 2.5), RTSP                                                                                                                                                                                                                                                                                                                                                                             |
| <b>PoE</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Interface                  | 16, RJ-45 10/100 Mbps self-adaptive Ethernet interface                                                                                                                                                                                                                                                                                                                                               |
| Power                      | ≤ 200 W                                                                                                                                                                                                                                                                                                                                                                                              |
| Standard                   | IEEE 802.3 af/at                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Serial Interface           | 2 RS-485 (half-duplex), 1 RS-232                                                                                                                                                                                                                                                                                                                                                                     |
| SATA                       | 4 SATA interfaces                                                                                                                                                                                                                                                                                                                                                                                    |
| eSATA                      | 1 eSATA interface                                                                                                                                                                                                                                                                                                                                                                                    |
| Capacity                   | Up to 16 TB capacity for each disk                                                                                                                                                                                                                                                                                                                                                                   |
| Alarm In/Out               | 16/9                                                                                                                                                                                                                                                                                                                                                                                                 |
| USB Interface              | Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0                                                                                                                                                                                                                                                                                                                                                    |
| Ctrl 12V                   | Controllable 12 VDC, 0.5 A power output for external alarm device; The power will be turned on when the alarm output is triggered.<br>*: 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                | ≤ 30 W (without HDD and PoE off)                                                                                                                                                                                                                                                                                                                                                                     |
| Working Temperature        | -10° C to 55° C (14° F to 131° F)                                                                                                                                                                                                                                                                                                                                                                    |

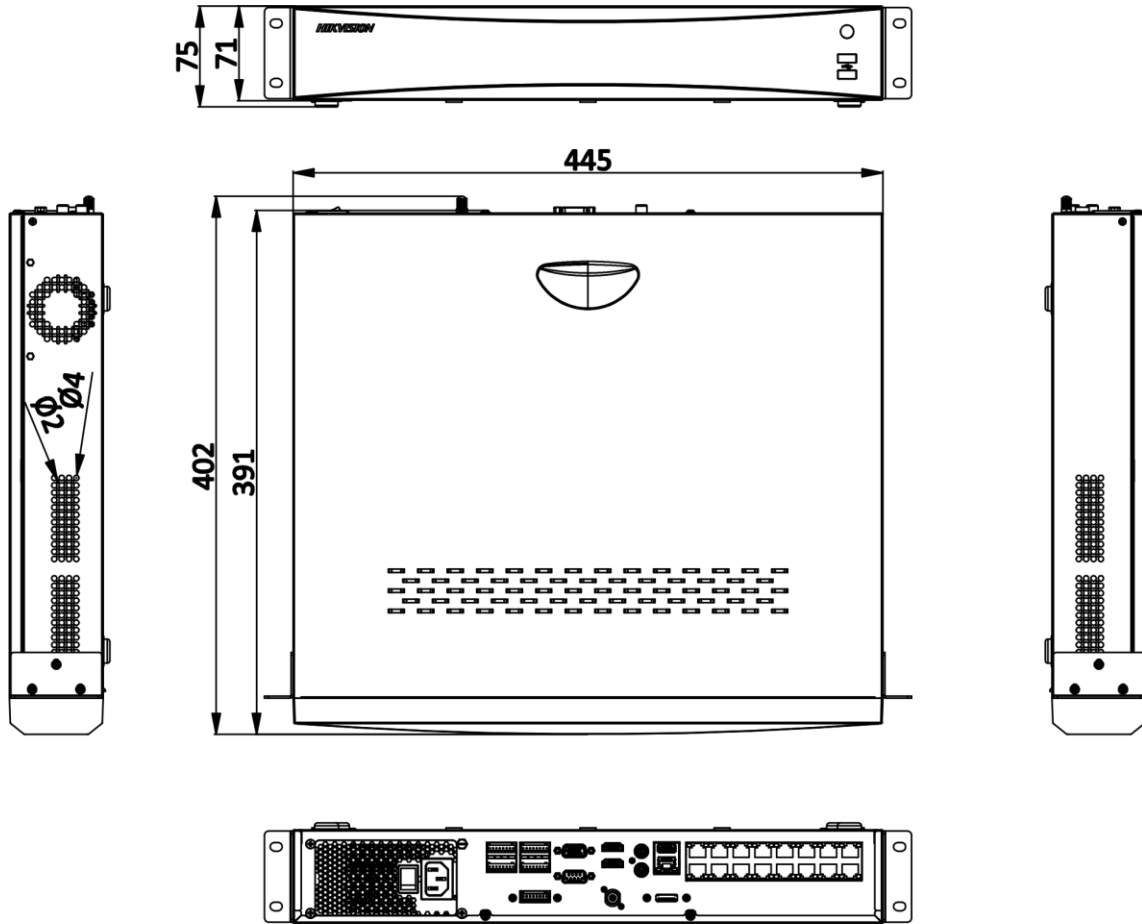
|                        |                                                       |
|------------------------|-------------------------------------------------------|
| Working Humidity       | 10% to 90%                                            |
| Chassis                | 19-inch rack-mounted 1.5U chassis                     |
| Dimension (W × D × H)  | 440 × 391 × 75 mm ( 17.3"× 15.4" × 3.0")              |
| Weight                 | ≤ 3.6 kg (without HDD, 7.9 lb.)                       |
| <b>Certification</b>   |                                                       |
| Obtained Certification | CE, CB, REACH, WEEE, UKCA, LOA                        |
| CE                     | EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4 |

## ▪ Physical Interface



| No. | Description                  | No. | Description                                       |
|-----|------------------------------|-----|---------------------------------------------------|
| 1   | PoE interfaces               | 7   | VGA and RS-232 interfaces                         |
| 2   | USB 3.0 and LAN interfaces   | 8   | ALARM OUT                                         |
| 3   | eSATA interface              | 9   | ALARM IN, ALARM OUT, RS-485, Ctrl 12V, and DC 12V |
| 4   | Audio input and audio output | 10  | GND                                               |
| 5   | HDMI 1 and HDMI 2 interfaces | 11  | 100 to 240 VAC power supply                       |
| 6   | VIDEO OUT                    | 12  | Power switch                                      |

## ▪ Dimension



scale/1:1;Unit/mm