

TN-E1600AI-16P  
4K Resolution 16 Channel NVR w/ Built-in 16 Port PoE

Highlights:

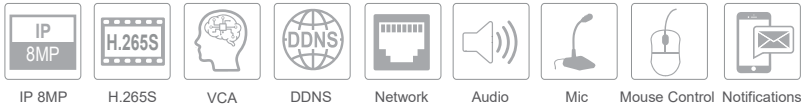
- 16 Channel IP
- Up to 8MP Resolution
- 160Mbps Max Throughput
- H.265S / H.265+ / H.265 / H.264
- Up to 36TB Storage
- HDMI / VGA
- Free Xcel DDNS
- Xcel CMS and Mobile App Platform Compatible

Introduction:

The Nuvico Xcel TN-E AI series is available in a 8 or 16 channel model supporting IP video. The TN-E AI series utilizes the most advanced SOC techniques along with H.265S compression format to deliver real time recording, while maintaining quality and maximizing video storage and fluidity. Based on the Nuvico Xcel software platform, the TN-E AI series features a mouse driven, clean GUI for easy local control, and is compatible with the Xcel CMS, Web CMS, and mobile apps.

Specifications:

| SYSTEM                   |                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Compression              | H.265S / H.265+ / H.265 / H.264                                                                                                |
| OS                       | Embedded Linux                                                                                                                 |
| VIDEO                    |                                                                                                                                |
| Input                    | 16 Channel IP Camera Input                                                                                                     |
| Network Access Bandwidth | 160Mbps                                                                                                                        |
| IP Camera Encoding       | 25/30fps @ 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1.3MP, 960p, 720p, 960H, D1, CIF                                                    |
| Output                   | HDMI x 1: 4K, 2K, 1920 x 1080, 1280 x 1024, 1024 x 768<br>VGA x 1: 1920 x 1080, 1280 x 1024, 1024 x 768                        |
| AUDIO                    |                                                                                                                                |
| Network Input            | 16 Channel Audio Input                                                                                                         |
| Output                   | RCA x 1                                                                                                                        |
| Two-way Audio            | RCA x 1                                                                                                                        |
| RECORD                   |                                                                                                                                |
| Record Stream            | Dual Stream Recording                                                                                                          |
| Resolution               | 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1.3MP, 960p, 720p, 960H, D1, CIF                                                               |
| Mode                     | Manual, Timer, Motion, Sensor, POS, AI Recording                                                                               |
| PLAYBACK                 |                                                                                                                                |
| Simultaneous Playback    | Max 16 Channels                                                                                                                |
| Search                   | Time Slice / Time / Event / Tag Search                                                                                         |
| Smart Search             | Highlighted color to display the camera record in a certain period of time, different colors refers to different record events |
| Function                 | Play, Pause, FF, FB, Digital Zoom, etc.                                                                                        |



NETWORK

|            |                                                                               |
|------------|-------------------------------------------------------------------------------|
| Interface  | RJ45 1000 Mbps x 1                                                            |
| PoE Port   | RJ45 x 16                                                                     |
| Protocol   | TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x, ONVIF |
| Web Client | Max 10 Users Online                                                           |

ALARM

|            |                                                      |
|------------|------------------------------------------------------|
| Mode       | Manual, Sensor, Motion, Exception, Smart Events      |
| Input      | 8 Channel Local Alarm Input, Supports IP Alarm Input |
| Output     | 4 Channel                                            |
| Triggering | Record, Snap, Buzzer, Preset, E-mail, etc.           |

MOBILE DEVICE

|    |              |
|----|--------------|
| OS | iOS, Android |
|----|--------------|

STORAGE / BACKUP

|                |                            |
|----------------|----------------------------|
| HDD            | SATA x 2, Max 18TB per HDD |
| Local Backup   | U Disk, USB Mobile HDD     |
| Network Backup | Yes                        |

Port

|                   |                                                                              |
|-------------------|------------------------------------------------------------------------------|
| USB               | USB 2.0 x 1, USB 3.0 x 1 ( One in the front panel and one in the rear panel) |
| RS 485            | Yes (Full-duplex), Connect to PTZ or Keyboard                                |
| Remote Controller | Yes                                                                          |

GENERAL

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| Power Requirement   | 48VDC, 3.75A                                               |
| Power Consumption   | ≤ 15W (without HDD and PoE Power Supply)                   |
| Working Environment | 14°F ~ 122°F                                               |
| Relative Humidity   | 10% ~ 90%                                                  |
| Weight              | 6.6 lbs (w/o HDD)                                          |
| Form Factor         | 1U Rackmount Case                                          |
| Dimensions          | 14.96" W x 10.43" D x 1.77" H                              |
| Warranty            | 3 Years                                                    |
| Package Contents    | Recorder, IR Remote, USB Mouse, Power Cord, Rackmount Ears |