![NYX logo]

| 8K Output | HD IPC | DDNS | Network | PTZ | Audio | MIC | Mobile | CMS | USB | Mouse | E-mail | STD | FR | VCA |

This NYX NVR supports 128CH 16MP/12MP /8MP / 6MP /
5MP / 4MP / 3MP / 1080P / 1280 × 1024 / 960P /720P high definition
IP video input, which adopts the advanced SOC technique to ensure
high definition recording in each channel and realize outstanding
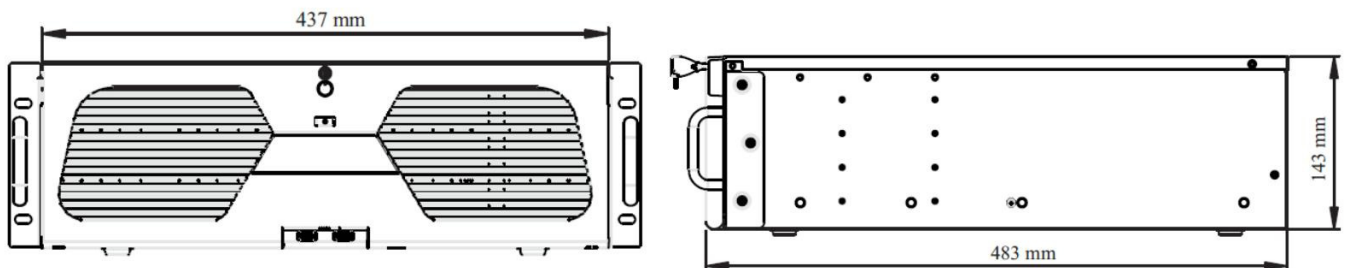robustness of the system.
This series supports 128 CH IP input, simultaneous 16 CH playback,
And 8K high definition display. So it can meet different security requirements
of home, financial, commerce, enterprise, transportation and government, etc.

## Features

- Support 128CH 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF IP input
- H.265S/H.265+/H.265/H.264 coding
- Intuitive and user-friendly Graphic User Interface ( GUI ), Windows style operation by mouse
- Multi-mode recording: manual / timed / motion / sensor/ POS / AI recording
- Playback: 16 CH simultaneous playback
- Search: time slice, time, event, tag, smart and target database search
- Support face detection and comparison
- Support multiple VCA (Video Content Analytics) events, such as region intrusion, tripwire, etc.
- Support OS information overlay on live view and playback
- Support RAID 0, 1, 5, 6, 10
- Express and flexible backup via USB, network and so on
- Preview, record, playback, backup and remote access are supported
- DHCP, DDNS, PPPoE network protocol, etc.
- Compatible with third-party IPCs, such as ONVIF, Hikvision, etc.
- Remote control via Web Client or CMS : preview, playback, backup, PTZ and configuration
- Multi-user online simultaneously
- Authorization management, log view and device status view
- 8K output, true high resolution display
- Support PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Support NAT function and QR Code scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Andriod OS

## Dimensions

# Specifications

| | Model | | NYX IPX128 Plus IQ2+ |
|---|---|---|---|
| **System** | OS | Embedded Linux | |
| **Video** | IP Video Input | | 128CH |
| | Network Bandwidth | | Incoming: 768Mbps<br>Outgoing: 768Mbps |
| | Resolution | 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF | |
| | Output | HDMI1: 7680×4320@60, 7680×4320@30, 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024, 1024×768 (When the resolution of HDMI1output is 8K, HDMI2 is unavailable)<br>HDMI2: 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024, 1024×768<br>HDMI3: 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024, 1024×768<br>HDMI4: 1920×1080, 1280×1024, 1024×768<br>VGA×1: 1920×1080, 1280×1024, 1024×768 (VGA and HDMI1 output the same video source) | |
| | Multi-screen Display | Main output:1/4/6/8/9/13/16/25/32/36/64<br>AUX output 1:1/4/6/8/9/13/16/25/32/36<br>AUX output2:1/4/6/8/9/13/16<br>AUX output 3:1/4/6/8/9/13/16<br>Max. 132(64+36+16+16) | |
| | Compression | H.264/H.265/H.265+/H.265S | |
| **Audio** | Network input | | 128CH |
| | Local Input | RCA×1 (for two-way talk) | |
| | Local Output | RCA×1 | |
| | HDMI Audio Output | Support | |
| | Compression | G.711(U/A) | |
| **Record** | Resolution | 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF | |
| | Frame Rate | N:30fps；P:25fps | |
| **Playback** | Simultaneous Playback | 16CH | |
| | Search | Time slice/time/event/tag/smart search | |
| | Function | Play, pause, FF, Rewind, digital zoom, previous frame, next frame, etc. | |
| **Decoding Capability** | Live View | 1CH 16MP@30 / 4 CH 12MP(only available for main output) | |
| | Playback | 1CH 16MP@30 / 4CH 8MP(only available for main output) | |
| **Alarm** | Mode | Manual, sensor, motion, exception, smart events, etc. | |
| | Input | 24CH | |
| | Output | 8CH | |
| | Triggering | Record, snapshot, preset, e-mail, etct. | |
| **Face Recognition** | Face Detection Performance (AI by IPC) | | 128CH |
| | Face Detection Performance (AI by Device) | 4CH | |
| | Face Match Performance | 16CH | |
| | Comparison Capability | 36 pictures/second | |
| | Face Picture Database | 32 libraries<br>10000 face pictures | |
| | Face Picture Search | Search by picture is supported | |
| | Database Management | Add, modify, delete and search face pictures | |
| | Face Picture Adding | Add face pictures through APP, WEB and external import | |

| | Face Comparison | Supports successful face recognition alarm and stranger match alarm | |
|---|---|---|---|
| | Track | Track display on a map | |
| | Statistical Graph of Information | Bar graph | |
| | Statistical Mode of Information | Statistics by day, week, month, quarter as well as customized time period | |
| **Video Structure Analysis** | Human/Vehicle Classification (AI by IPC) | | 128CH |
| | Human/Vehicle Classification (AI by Device) | 8CH | |
| | Human/Vehicle Attribute Analysis | Yes | |
| **Other Functions** | Fisheye Access | Yes | |
| | Plate Recognition (AI by IPC) | Yes | |
| **Network** | Protocol | TCP/IP, HTTP, HTTPS, 802.1x, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, UDP, WebSocket, PPPoE, SNMP, IGMP | |
| | Interface | RJ45 10/100/1000Mbps ×2 | |
| | Client Connection | Max. 128 users access | |
| **Mobile Device** | OS | iOS, Andriod | |
| **Storage** | HDD Interface | SATA× 16，max 10TB per HDD | |
| | RAID Type | RAID0,1,5,6,10 | |
| | E-SATA Interface | 2 | |
| **Port** | USB | USB3.0× 1；USB2.0 ×3(Front:2)； | |
| | RS485 | Yes (full-duplex), connect to PTZ or keyboard | |
| | RS232 | Yes | |
| | Reset | Yes | |
| | Remote Controller | No | |
| **Others** | Power | ATX-275W | |
| | Consumption | ≤50W (without HDD) | |
| | Dimensions | 437 × 483 × 143mm | |
| | Certificate | CE,FCC | |
| | Environmental Protection | Directive EU RoHS，WEEE(2012/19/EU) , Directive 94/62/EC and REACH(EC1907/2006) | |
| | Working Environment | -10~50℃; Humidity: 10%~90% | |

## Rear Panel