

advidia M-NVR-16CH-16POE

TECHNICAL SPECIFICATIONS

This specification is intended for use by the design/construction professional and any user of advidia Security products to assist in developing project specifications for security and video surveillance systems.

Advidia M-NVR-16CH-16POE Network Video Recorder

PART 1 GENERAL

1.01 WARRANTY

- A. Provide manufacturer's standard warranty.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. i-PRO Co., Ltd.

2.2 Advidia M-NVR-16CH-16POE NETWORK VIDEO RECORDER

A. GENERAL CHARACTERISTICS

1. The Network Video Recorder (NVR) shall be an all-in-one recording solution for IP video surveillance system of up to 16 network cameras.
2. The NVR shall store H.264 video data and H.265 video data.
3. The NVR shall have the capability of up to 224 Mbps total throughput. (Incoming bandwidth: 160 Mbps, Outgoing Bandwidth: 64 Mbps)
4. The NVR shall offer 2 SATA interfaces.
5. The NVR shall offer 1 channel RCA audio input and 1 channel RCA output.
6. The NVR shall offer up to 20TB (2 x 10TB HDD) of gross storage capacity.
7. The NVR shall offer synchronous playback of up to 16 channels.
8. The NVR shall have 1 HDMI and 1 VGA output.
9. The NVR shall offer Normal, Event and Manual recording mode.
10. The NVR shall offer multi-screen in Normal mode, Corridor Mode, and Web Client
11. The NVR shall offer 1 RJ-45 network interface and 16 POE ports.
12. The NVR shall allow 128 remote users.
13. The NVR shall be able to allow users to see the recording status of each camera.
14. NDAA Compliant.

15. Supports mainstream cameras of ONVIF conformance (Profile G, Profile S, Profile T) and RTSP protocols.

B. NETWORK DISK RECORDER

1. Inputs Up to 16 network cameras support
2. Protocols TCP/IP, P2P, UPnP, NTP, ,DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP

C. FUNCTIONS

1. Display
 - a. Local display HDMI: 4K (3840x2160)/30Hz, 1920X1080/60Hz, 1920X1080/50Hz, 1600X1200/60Hz, 1280X1024/60Hz, 1280X720/60Hz, 1024X768/60Hz
VGA: 1920X1080/60Hz, 1920X1080/50Hz, 1280X1024/60Hz, 1280X720/60Hz, 1024X768/60Hz
 - b. Multiscreen Display Normal Mode: 4/6/8/9/16
Corridor Mode: 3/4/5/7/9/10/12/16
Web Client: 4/6/8/9/10/13/16
Camera control: Pan/Tilt, Zoom, Focus, Iris, Preset Position, Preset Patrol, Recorded Patrol, Auto Guard
 - c. System Setup Setup page in English
2. Recording
 - a. Image format H.265, H.264
 - b. Frame rate Up to 30 fps per stream (Depending on the Camera)
 - c. Recording rate 160 Mbps or less
 - d. Audio G.711U, G.711A
 - e. Recording Mode Normal, Event, Manual
 - f. Alarm Source 4 Terminal Inputs,
1 Terminal Outputs
Camera alarms
 - g. Event Action Buzzer, E-mail, Alarm output, Recording, Snapshot
3. Search and Playback
 - a. Search mode Date and time (Calendar), Timeline, Event, Smart
 - b. Playback control Play, Reverse Play, Pause, Stop, Fast Forward, Fast Reverse, Previous Frame, Next Frame, Go to Date, Jumps to next (5s, 15s, 30s, 1mins, 5mins, 15mins, 30mins and 1hr)
4. Remote and mobile monitoring
 - a. Remote monitoring Web browser: Microsoft IE
advidia Guard
Mobile Application: advidia Guard (iOS and Android)
5. Management
 - a. User registration Up to 32 users
 - b. Remote users 128 users
 - c. Authentication ID and Password
 - d. User level Administrator, Guest, and Operator
 - e. Central management advidia Guard: can add up to maximum 64 devices or 512 Channels

D. STORAGE

1. HDD slot
Internal 2 HDD slots
2. HDD type 3.5-inch SATA HDD

E. INTERFACE

1. Indicator/Button
 - a. Indicator Status indicator: Run (Operation), Network, HD (Hard Disk), Cloud
2. Connections
 - a. Network 1x 10BASE-T/100BASE-TX/1000BASE-TX
 - b. Video 1x HDMI, 1x VGA
 - c. Audio 2x RCA pin jack (Audio in and Audio out)
 - d. Alarm/Control 5 pin Terminal blocks
 - e. Mouse 1x mouse connection port USB2.0
 - f. Copy port 1x USB 3.0 port
 - g. Power cord 1x Power cord
3. Slots
 - HDD 2x HDD slots

F. ELECTRICAL

1. Power Source 100-240 120 V AC
2. Power Consumption ≤10W (without HDD)

G. MECHANICAL

1. Dimensions 380mm × 315mm × 53mm (14.9" × 12.4" × 2.1")
2. Weight
 - a. Without HDD ≤2.6kg (5.73lb)

H. ENVIRONMENTAL

1. Ambient Operating Temperature
-10°C~+ 55°C (+14°F~+131°F)
2. Ambient Operating Humidity
≤ 90% RH (non-condensing)