advidia M-NVR-16CH-16POE-4

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-4 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-4 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 640 Mbps total throughput. (Incoming bandwidth: 320 Mbps, Outgoing Bandwidth: 320 Mbps)

4. The NVR shall offer 4 SATA interfaces.

5. The NVR shall offer 1 channel RCA audio input and 1 channel RCA output.

6. The NVR shall offer up to 40TB (4 x 10TB HDD) of gross storage capacity.

7. The NVR shall offer synchronous playback of up to 16 channels.

8. The NVR shall offer RAID 1, 5.

9. The NVR shall have 1 HDMI and 1 VGA output independent outputs.

10. The NVR shall offer Normal, Event and Manual recording modes.

11. The NVR shall offer 1 RJ-45 network interface and 16 POE ports.

12. The NVR shall offer multi-screen in Normal mode, Corridor Mode, and Web Client

13. The NVR shall offer 1 RJ-45 network interfaces, and 1 RS485 port.

14. The NVR shall allow 128 remote users.

15. The NVR shall be able to allow users to see the recording status of each camera.

16. NDAA Compliant.

17. 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, NFS

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   320 Mbps or less
   d. Audio   G.711U, G.711A
   e. Recording Mode   Normal, Event, Manual
   f. Alarm Source   16 Terminal Inputs,
   4 Terminal Outputs
   Camera alarms
   g. Event Action   Buzzer, E-mail, Alarm output, recording, snapshot and Go To Preset
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: adividia 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   4 HDD slots
2. HDD type   3.5-inch SATA HDD
3. RAID   RAID 1, 5,

E. INTERFACE
1. Indicator/Button
   a. Indicator   Status indicator: Run (Operation), Network, Guard (Arming), Alarm (Camera alarm), HD (Hard Disk), Cloud
   b. Front Panel Button   Power Button, display main menu button, start instant playback Button, start manual recording button, enter PTZ control button, screen, switch the screen layout in live or playback mode button, enable or disable arming button, snapshot button, Auxiliary Function button, exit the current view, and control rotation Direction button

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
   h. Serial interface   1x RS485

3. Slots
   HDD   4x HDD slots

F. ELECTRICAL
1. Power Source   100-240 120 V AC
2. Power Consumption   ≤25W (without HDD)

G. MECHANICAL
1. Dimensions   400mm ×363mm× 74mm (15.7" × 14.3"× 2.9")
2. Weight
   a. Without HDD   Approx. ≤4kg (8.82lb)

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