

advidia M-NVR-32CH

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-32CH 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-32CH 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 32 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 768 Mbps total throughput. (Incoming bandwidth: 384 Mbps, Outgoing Bandwidth: 384 Mbps)
4. The NVR shall offer 8 SATA interfaces and 1 e-SATA interface.
5. The NVR shall offer 1 channel RCA audio input and 1 channel RCA output.
6. The NVR shall offer up to 80TB (8 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 0, 1, 5, 6 and 10.
9. The NVR shall offer failover function (N+1).
10. The NVR shall have 2 HDMI and 1 VGA outputs independent outputs.
11. The NVR shall offer Normal, Event and Manual recording modes.
12. The NVR shall offer multi-screen in Normal mode, Corridor Mode, and Web Client.
13. The NVR shall offer 2 RJ-45 network interfaces, 1 RS232 port and 1 RS485 port.
14. The NVR shall allow 128 remote users.
15. The NVR shall be able to allow users to run S.M.A.R.T test on HDD.

16. The NVR shall be able to allow users to see the recording status of each camera.
17. NDAA Compliant.
18. Supports mainstream cameras of ONVIF conformance (Profile G, Profile S, Profile T) and RTSP protocols.

B. NETWORK DISK RECORDER

1. Inputs Up to 32 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: 4/6/8/9/16/25/36
Corridor Mode: 3/4/5/7/9/10/12/16/32
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 384 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 8 HDD slots
- 2. HDD type 3.5-inch SATA HDD
- 3. RAID RAID 0, 1, 5, 6, 10

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 2x 10BASE-T/100BASE-TX/1000BASE-TX
 - b. Video 2x HDMI, 1x VGA
 - c. Audio 2x RCA pin jack (Audio in and Audio out)
 - d. Alarm/Control 20pin Terminal blocks
 - e. Mouse 2x mouse connection port USB2.0
 - f. Copy port 1x USB 3.0 port
 - g. Power cord 1x Power cord
 - h. External SATA port 1x e-SATA port
 - i. Serial interface 1x RS232 port and 1x RS485
- 3. Slots
 - HDD 8x HDD slots

F. ELECTRICAL

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

G. MECHANICAL

- 1. Dimensions 442mm x426mmx 89mm (17.4" x 16.8"x 3.5")
- 2. Weight
 - a. Without HDD Approx. ≤5.7kg (12.57lb)

H. ENVIRONMENTAL

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