

A&E SPECIFICATION

Advidia A-200-P 2MP HIGH SPEED PTZ DOME

1.1 GENERAL

- A. This product shall be manufactured by a firm whose quality system is in compliance with the ISO-9001.
- B. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.
- C. All systems and components shall have been thoroughly tested and proven in actual use.
- D. All systems and components shall be provided with comprehensive repair and spare parts replacement. The manufacturer on warranty and non-warranty items shall guarantee the spare parts and the repair.
- E. All systems and components must be in compliance with FCC, CE, UL and RoHs requirements.
- F. All materials furnished under this item shall be compliant with 802.3 Ethernet standards.

1.2 2MP HIGH SPEED IR PTZ DOME

- A. The camera shall offer three video streams with up to 2MP resolution, utilizing a progressive scan CMOS imaging sensor.
- B. The camera shall offer video compression of H.264 and MJPEG. Dual H264 streams shall be supported with independent resolution, bit rate and frame rates for the main and sub streams.
- C. The camera shall provide true day night, low-light capabilities, with integrated IR cut filter, with sensitivity down to 0.05 lux in color and 0.005 lux in black/white.
- D. The camera shall be capable of performing firmware upgrades through a network using a software-based device utility or from the web interface.
- E. The camera shall be equipped with built-in password protection which is not dependent on a server.
- F. The camera shall provide the ability to take snapshot and record video clips from the web interface and store on the local computer.
- G. The camera shall support video motion detection with user defined areas and configurable sensitivity levels. In addition, the motion detection shall be supported by an arming schedule with surveillance center notification, email, ftp upload, and alarm output triggered as supported events.
- H. The camera's web interface shall permit settings to be exported to and imported from a configuration file via the web interface, API and camera manufacturer's client software.
- I. The camera shall conform to ONVIF and PSIA standards for integration with 3rd party video management systems (VMS). The camera may also support custom firmware for specific integration with a 3rd party VMS.
- J. The camera shall be compatible with a Video Management Software (VMS) package and Mobile Phone Application from the same manufacturer which is provided free of charge. The VMS shall not be a restricted use version of the manufacturer's full featured version.

1.3 POWER

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A. Power Supply	24 V AC or Hi-PoE or PoE+
B. Power Consumption	24 V AC: 65W maximum Hi-PoE: 40W maximum PoE+: 25W maximum

1.4 CAMERA

A. Image Sensor	1/2.8" Progressive Scan CMOS
B. Effective Pixel	1920 (H) × 1080 (V)
C. Resolution	2MP
D. Min. Illumination	Color: 0.4Lux @ (F1.6, 1/30 sec, 50 IRE, AGC On) B/W: 0.03Lux @ (F1.6, 1/30 sec, 50IRE, AGC On) Color: 0.05Lux @ (F1.6, 1/1 sec, 50 IRE, AGC On) B/W: 0.005Lux @ (F1.6, 1/1 sec, 50IRE, AGC On)
E. White Balance	Auto, Manual, ATW, Indoor, Outdoor, Daylight Lamp, Sodium Lamp
F. AGC	Auto, Manual
G. S/N Ratio	≥ 50 dB
H. BLC	On, Off
I. HLC	On, Off
J. WDR	On, Off
K. Defog	On, Off
L. Shutter Time	1 ~ 1/30,000s
M. Day & Night	IR Cut Filter
N. Digital Zoom	16x
O. Privacy Mask	24 privacy masks programmable; optional multiple colors and mosaics in irregular shape
P. Electronic Shutter Range	1/1 sec ~1/30,000 sec
Q. Digital Slow shutter	Yes
R. Image settings	Saturation, brightness, contrast, sharpness
S. Image rotation	Mirror(center, off)
T. Noise Reduction	3D, selectable level (1-100)
U. On screen Display	Title (32 characters), Date, Time; User defined location
V. OSD Display Modes	Transparent, non-transparent; flashing, non-flashing

1.5 VIDEO&AUDIO SPECIFICATIONS

A. Video Compression	H.264, MJPEG, MPEG4
B. Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2
C. Three Stream	Yes
D. Resolutions supported	Main Stream: 1920 × 1080, 1280 × 960, 1280 × 720 Sub Stream: 704x576, 352x288, 176x144 Third Stream: 1920 × 1080, 1280 × 960, 1280 × 720, 704x576, 352x288, 176x144
E. Video Bit rate	32 Kbps ~16 Mbps
F. Rate Control	Constant, Variable
G. ROI Encoding	Support 24 areas with adjustable levels
H. H.264 profiles	High, Main, Base
I. Max. Frame Rate	25fps (1920 x 1080), 30fps (1920 x 1080)

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- J. Users
 - 1. Unicast Up to 10 simultaneous users depending on resolution settings
 - 2. Multicast Unlimited H.264
- K. Security Access Password protected
- L. Software Interface Web browser view and remote client.

1.6 NETWORK

- A. Ethernet RJ-45 10M/100M self-adaptive
- B. Alarm trigger Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
- C. Protocols IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
- D. Security User authentication, Host authentication, Watermark, IP address filtering
- E. System Compatibility ONVIF, PSIA
- F. RS485 protocol Pelco-P, Pelco-D, self-adaptive

1.7 CONNECTORS

- A. Communication interface 1 RJ45 10 M / 100 M Ethernet port
- B. RS-485 interface Dry Contact
- C. Analog Output 1Vp-p Composite Output (75ohm/ BNC)
- D. Alarm Input Dry Contact
- E. Alarm Output Dry Contact
- F. SD/SDHC slot Up to 32GB; Manual REC / alarm REC

1.8 WEB BROWSER REQUIREMENTS

- A. Operating System PC (Intel® Core® 2 Duo microprocessor, 2.6 GHz) with Microsoft® Windows® XP, Windows Vista®, or Windows® 7
- B. Web User Interface DirectX for Windows XP, Windows Vista, Windows 7
- C. RAM 2 GB
- D. Ethernet Card 100 Mbps
- E. Web Browser Internet Explorer® 7.0 or later, Firefox, Chrome
- F. Screen Resolution 1024 x 768 pixels or higher, 16- or 32-bit pixel color resolution

1.9 LENS

- A. Focus Model Auto, Semiautomatic, Manual
- B. Focal Length 4.7 ~94mm, 20x
- C. Zoom Speed Approx.2.7s (Optical Wide-Tele)
- D. Angle of View 58.3° ~ 3.2° (Wide-Tele)
- E. Min. Working Distance 10 ~ 1,500mm (Wide-Tele)
- F. Aperture Range F1.6 – F3.5

1.10 PAN AND TILT

- A. Pan Range 360° endless
- B. Pan Speed Pan Manual Speed: 0.1° -300°/s
Pan Preset Speed: 540°/s
- C. Tilt Range -5° ~ 90° (Auto Flip)

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D. Tilt Speed	Tilt Manual Speed: 0.1° ~ 240°/s Tilt Preset Speed: 400°/s
E. Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
F. Number of Preset	256
G. Patrol	8 patrols, up to 32 presets per patrol
H. Pattern	4 patterns, with the recording time not less than 10 minutes per pattern
I. Power Loss Recovery	Support
J. Park Action	Preset, Patrol, Pattern, Pan scan, Tilt scan, Random scan, Frame scan, Panorama scan
K. PTZ Position Display	On, Off
L. Freeze Frame	Support
M. Smart Tracking	Yes

1.11 ALARM

A. Alarm Input	7
B. Alarm Output	2 relay outputs, alarm response actions option
C. Alarm Trigger	Motion detection, Audio exception detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
D. Alarm Actions	Preset, Patrol, Pattern, Pan scan, Tilt scan, Random scan, Frame scan/Panorama scan, Relay output

1.12 INPUT/OUTPUT

A. Monitor Output	1.0 V [p-p] / 75 ohm, NTSC (or PAL) composite, BNC
B. Audio Input	Mic in/Line in Line input: 2-2.4 V [p-p]; output impedance: 1 Kohm, ±10%
C. Audio Output	Line level, impedance: 600 ohm

1.13 CLIENT GUI

A. Camera Control	Pan/Tilt, Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode.
B. OSD	Up to 32 characters
C. Date & Time Display	Time: Week: Date, 6 formats on the Client
D. Reading Patrol Message	Display and reading of preset message contained in each patrol via client software
E. Menu Language	English, Chinese

1.14 PHYSICAL SPECIFICATIONS

A. Dimension (Dia.x H)	Φ220×325.5mm (Φ8.66"×12.81")(Outdoor)
B. Weight (approx.)	5 kg (11.02 lbs)

1.15 ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature	24 VAC: -40 °C-65°C(-40°F-149°F)(outdoor dome) Hi-PoE: -30 °C-65°C(-22°F-149°F)(outdoor dome) PoE+: -20 °C-65°C(-4°F-149°F)(outdoor dome)
B. Operating Humidity	90% or less

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1.16 CERTIFICATIONS AND RATINGS

- A. Regulatory
 - 1. IEC/EN 61000
 - 2. IEC/EN 55022
 - 3. IEC/EN 55024
 - 4. IEC /EN60950-1
 - 5. FCC Part 15, Class b
 - 6. UL/cUL 60950-1
 - 7. RoHS
- B. Ratings
 - 1. Weatherproof Rating IP66
 - 2. Electrical Protection TVS 4,000V lightning protection, surge protection and voltage transient protection

1.17 ACCESSORIES

- A. A200-WM Wall mount bracket
- B. A200-CNR Corner mount bracket
- C. A200-PM Vertical Pole mount bracket
- E. A200-LPM Pendant mount bracket (500mm)
- F. A200-CM Ceiling mount

1.18 MODEL

- A. A-200 5 inch High Speed Dome Camera. 2MP/1080p
- B. A-200-P 5 inch High Speed Dome Camera. 2MP/1080p with PoE+ injector

1.19 WARRANTY

- A. 3 years, parts and factory labor