

## **advidia M-400-P 4MP PTZ IP Dome Camera**

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### **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-400-P 4MP PTZ IP Dome Camera**

#### **A. GENERAL CHARACTERISTICS**

1. The PTZ network camera shall deliver H.265 stream, H.264 stream and MJPEG.
2. The PTZ network camera shall produce a resolution of 2688 x 1520 resolution at up to 30 fps with a 16:9 aspect ratio.
3. The PTZ network camera shall utilize an approximate 1/2.8", 4MP progressive scan CMOS
4. The PTZ network camera shall be equipped with 4.8mm to 120mm AF automatic focusing and motorized zoom lens
5. The PTZ network camera shall feature an IR-Cut Filter with Auto Switch (ICR)
6. The PTZ network camera shall feature a 120dB wide dynamic range.
7. The PTZ network camera shall produce a color image with a minimum illumination 0.003 Lux (F1.5, AGC ON) and monochrome image with 0Lux
8. The PTZ network camera shall offer a built-in IR illumination to produce a clear monochrome image in zero lux conditions with up to 100m (328 ft)
9. The PTZ network camera shall transmit up to three (3) video streams simultaneously which can be selected to H.265 (Main profile) or H.264 (High profile).
10. A user shall be able to view video on a PC using a browser.
11. A user shall be able to view video on a smartphone and tablet using viewer software for iPhone and Android.
12. The PTZ network camera shall offer Motion Detection, Motion detection, Audio detection, Tampering Alarm, Line crossing detection, Intrusion Detection, Enter Area, Leave Area Detection
13. The PTZ network camera shall have a micro-SD memory card slot that supports up to 256GB
14. The PTZ network camera shall support IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS
15. NDAA Compliant.
16. The Camera shall conform to the ONVIF G / S / T.

## B. CAMERA

1. Image Sensor 1/2.8, 4MP progressive scan, CMOS
2. Scanning Mode Progressive
3. Minimum Illumination
  - a. Color 0.003 Lux (F1.5, AGC ON)
  - b. B/W 0Lux with IR
  - c. Day & Night IR-Cut Filter with Auto Switch (ICR)
4. Dynamic Range 120dB

## C. LENS

1. Focal Length 4.8mm to 120mm
2. Angular Field of View H: 52.20°~2.74°, V: 30.81°~1.54°, O: 64.20°~3.23°
3. Aspect ratio (16:9)  
Aspect ratio (4:3)

## D. VIDEO

1. Compression Format H.265, H.264, MJPEG
2. Image Resolution
  - a. 16:9 aspect ratio (4 mega pixel mode)  
2688 X 1520 / 2560 X 1440 / 1920 x 1080 / 1280 x 720 / 720 X 576 / 640 x 360 / 704 X 288 / 352 X 288 (30/25fps)
3. H.265 / H.264
  - a. Transmission Mode Constant bit rate / VBR, Frame rate / Best effort
  - b. Frame Rate 1 / 2 / 3 / 5 / 8 / 10 / 12 / 15 / 16 / 18 / 20 / 22 / 25 / 30 fps
  - c. Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / 16384 / Custom kbps
  - d. Image Quality
    - i. Constant bit rate
    - ii. VBR
  - e. Transmission type Unicast, Multicast
4. MJPEG
  - a. Image quality
  - b. Transmission type Pull, Push

## E. AUDIO

- a. Audio Compression G.711U, G.711A
- b. Audio Mode OFF / Mic input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)

## F. OPERATION

1. White Balance
2. Smart IR
3. Defog
4. Shutter speed Auto/Manual, 1 ~ 1/100000s
5. Day & Night IR-Cut Filter with Auto Switch (ICR)
6. Intelligent Video Motion Detection  
On / Off
7. Privacy Zone On / Off
8. Camera Title (OSD) Up to 20 characters
9. Digital Zoom 16x
10. Optional Zoom 25x

## G. NETWORK

1. Network Interface 1 RJ45 10M/100M Base-TX Ethernet

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|----------------------------------|---|
| 2. IP                            | IPv4  |
| 3. Supported Protocols           |   |
| 4. IPv4                          | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS |
| 5. Max. User access              | Up to 6 users   |
| 6. Mobile Terminal Compatibility | iPad, iPhone(OS 4.2.1 or later) , Android™ mobile terminals   |

#### **H. INTERFACE**

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|------------------------|-----------------------|
| 1. Audio I/O           | 1/1                   |
| 2. Alarm I/O           | 2/1                   |
| 3. SD Memory Card Slot | 1 slot, micro-SD card |

#### **I. ELECTRICAL**

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|----------------------|--------------------------------|
| 1. Power Source      | DC 12V±25%, PoE+ (IEEE802.3at) |
| 2. Power Consumption | Max 21.0W                      |

#### **J. SAFETY / EMC**

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|-----------|--|
| 1. Safety | CE, IEC63000-2018, IEC61000-3-2:2019+A1: 2021, EN61000-3- 3:2013+A1:2019 |
| 2. EMC    | FCC Part 15, EN 55032:2015+A11:2020, EN 55035: 2017+A11:2020             |

#### **K. MECHANICAL**

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|-----------------------|------------------------------|
| 1. Dimensions (D x H) | Ø166 x 295mm (Ø6.5" x 11.6") |
| 2. Weight             | 3.05kg (6.72lb)              |

#### **L. ENVIRONMENTAL**

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|--------------------------|------------------------------|
| 1. Ingress resistance    | IP67                         |
| 2. Vandal Resistance     | IK10                         |
| 3. Operating Temperature | -40°C ~70°C (-40°F ~ 158°F), |
| 4. Operating Humidity    | ≤95% RH (Non-Condensing)     |