

## **advidia M-29-FW 2MP Fixed Bullet Network 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-29-FW 2MP Fixed Bullet Network Camera**

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

1. The fixed network camera shall deliver H.265 stream, H.264 stream.
2. The fixed network camera shall produce a resolution of 1920 x 1080 at up to 30 fps with a 16:9 aspect ratio.
3. The fixed network camera shall utilize an approximate 1/2.8 progressive scan CMOS
4. The fixed network camera shall be equipped with 2.8mm@F2.0
5. The fixed network camera shall feature an IR-Cut Filter with Auto Switch (ICR)
6. The fixed network camera shall feature a 52dB wide dynamic range.
7. The fixed network camera shall produce a color image with a minimum illumination 0.01 Lux (F2.0, AGC ON) and monochrome image with 0Lux
8. The fixed network camera shall offer a built-in IR illumination to produce a clear monochrome image in zero lux conditions with up to 30m (98 ft)
9. The fixed network camera shall transmit up to two (2) 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 fixed network camera shall offer Motion detection
13. The fixed network camera shall support IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, UPnP, HTTP
14. NDAA Compliant.

## B. CAMERA

1. Image Sensor 1/2.8 progressive scan, CMOS
2. Scanning Mode Progressive
3. Minimum Illumination
  - a. Color 0.01 Lux (F2.0, AGC ON)
  - b. B/W 0Lux with IR
  - c. Day & Night IR-Cut Filter with Auto Switch (ICR)
4. Dynamic Range 52dB

## C. LENS

1. Focal Length 2.8mm
2. Angular Field of View H: 106.7°, V: 57.1°
3. Aspect ratio (16:9)

## D. VIDEO

1. Compression Format H.265, H.264
2. Image Resolution
  - a. 16:9 aspect ratio (2 mega pixel mode)  
1920 x 1080 / 1280 x 720 / 640 x 360 / 704 X 288 / 352 x 288 (25/30fps)
3. H.265 / H.264
  - a. Transmission Mode Constant bit rate / VBR, Frame rate
  - b. Frame Rate 1 / 2 / 3 / 4 / 5 / 6 / 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 / Custom kbps
  - d. Image Quality
    - i. Constant bit rate
    - ii. VBR
  - e. Transmission type Unicast, Multicast

## E. OPERATION

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

## F. NETWORK

1. Network Interface 1 RJ45 10M/100M Base-TX Ethernet
2. IP IPv4
3. Supported Protocols
4. IPv4 IPv4, IGMP, ICMP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, UPnP, HTTP
5. Max. User access Up to 6 users
6. Mobile Terminal Compatibility iPad, iPhone(OS 4.2.1 or later) , Android™ mobile terminals

## G. ELECTRICAL

1. Power Source DC 12V±25%, PoE (IEEE802.3af)
2. Power Consumption Max 5.5W

## H. SAFETY / EMC

1. Safety CE, IEC63000:2018, IEC 61000-3-2: 2019+A1: 2021, EN 61000-3-3:2013+A1:2019

2. EMC FCC Part 15, EN 55032:2015+A11:2020, EN 55035: 2017+A11:2020

**I. MECHANICAL**

- 1. Dimensions (D x H)  $\Phi 111 \times 95\text{mm}$  ( $\Phi 4.4'' \times 3.8''$ )
- 2. Weight 0.29kg (0.64lb)

**J. ENVIRONMENTAL**

- 1. Ingress resistance IP67
- 2. Operating Temperature  $-30^{\circ}\text{C} \sim 60^{\circ}\text{C}$  ( $-22^{\circ}\text{F} \sim 140^{\circ}\text{F}$ ),
- 3. Operating Humidity  $\leq 95\%$  RH (Non-Condensing)