Advidia M-49-V 4MP VF Bullet IP Camera

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-49-V 4MP VF Bullet IP Camera

A. GENERAL CHARACTERISTICS

1. The network IR camera shall deliver H.265 stream, H.264 stream and MJPEG.

2. The network IR camera shall produce a resolution of 2688 x 1520 pixels (4MP) at up to 25 fps with a 16:9 aspect ratio.

3. The network IR camera shall utilize an approximate 1/3", 4.0-megapixel, progressive scan, CMOS.

4. The network IR camera shall be equipped with 2.8 ~ 12mm, AF automatic focusing and motorized zoom lens.

5. The network IR camera shall feature an IR-Cut Filter with Auto Switch (ICR)

6. The network IR camera shall feature a 120dB wide dynamic range.

7. The network IR camera shall produce a color image with a minimum illumination 0.003Lux (F1.6, AGC ON) and monochrome image with 0Lux

8. The network IR camera shall offer a built-in IR illumination to produce a clear monochrome image in zero lux conditions with up to 50m (164ft)

9. The network IR 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 network IR camera shall offer Cross line, Intrusion (Based on Human Body Detection), Motion Detection, Tampering Alarm, Audio detection

13. The network IR camera shall have a micro-SD memory card slot that supports up to 256GB

14. The network IR camera shall have a built-in microphone

15. The network IR camera shall support IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, QoS, 802.1x, SNMP protocols

16. NDAA Compliant.

17. The Camera shall conform to the ONVIF G / S / T.

B. CAMERA

1. Image Sensor — 1/3", 4.0-megapixel, progressive scan, CMOS
2. Scanning Mode — Progressive
3. Minimum Illumination
   a. Color — Colour: 0.003Lux (F1.6, 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 — 2.8 ~ 12mm
2. Angular Field of View — H: 102.79°~ 30.86°, V: 54.50°~ 17.49°, O: 106.94°~35.49°
3. Aspect ratio (16:9)
   Aspect ratio (4:3)

D. VIDEO

1. Compression Format — H.265, H.264, MJPEG
2. Image Resolution
   16:9 aspect ratio (4 mega pixel mode)

   2688 X 1520 / 2560 X 1440/ 2304 X 1296 /1920 x 1080 / 1280 x 720 / 720 X 576 / 640 x 360 / 704 X 288 / 352 X 288

3. H.265 / H.264
   a. Transmission Mode — Constant bit rate / VBR
   b. Frame Rate — 1 / 2 / 3 / 4 / 5 / 6 / 8 / 10 / 12 / 15 / 16 / 18 / 20 / 22 / 25 fps
   c. Bit Rate/Client — 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 16,384 / 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.711A, G.711U
b. Audio Mode — OFF / Audio output / Interactive (Half duplex) / Interactive (Full duplex)

F. 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. Intelligent Video Motion Detection

   Cross line, Intrusion (Based on Human Body Detection), Motion Detection, Tampering Alarm, Audio detection
8. Privacy Zone — On / Off

9. Camera Title (OSD)　　Up to 20 characters

G. NETWORK
1. Network Interface　　1 RJ45 10M/100M Base-TX Ethernet
2. IP　　IPv4
3. Supported Protocols
   a. IPv4　　IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, QoS, 802.1x, SNMP
4. Max. User access　　Up to 6 users
5. Mobile Terminal Compatibility
   iPad, iPhone(OS 4.2.1 or later）, Android™ mobile terminals

H. INTERFACE
1. SD memory card slot　　1 slot, micro-SD card

I. ELECTRICAL
1. Power Source　　DC 12V±25%, PoE (IEEE 802.3af)
2. Power Consumption　　Max 8.5W

J. SAFTEY / EMC
1. Safety　　UL (IEC62368-1), CE, IEC62368-1
2. EMC　　FCC (Part15 ClassA), EN55032 ClassB, EN55024

K. MECHANICAL
1. Dimensions (D x H)　　206 × 74 × 74mm (8.1" × 2.9" × 2.9")
2. Weight　　0.55kg (1.2lb)

L. ENVIRONMENTAL
1. Ingress resistance　　IP67
2. Operating Temperature　　-30°C ~ 60°C (-22°F ~ 140°F),,
3. Operating Humidity　　≤95% RH (Non-Condensing)