advidia M-49-FW-V2 4MP Fixed 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.

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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 1/2.7" Progressive Scan CMOS image sensor.
4. The network IR camera shall be equipped with 2.8mm@F1.6.
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 videos on a PC using a browser.
11. A user shall be able to view videos on a smartphone and tablet using viewer software for iPhone and Android.
12. The network IR camera shall offer Cross line (based on human body detection), Intrusion (based on human body detection), Motion detection, Ultra motion detection, Tampering alarm, Audio detection
13. The network IR camera shall have a micro-SD memory card slot that supports up to 512GB.
14. The network IR camera shall support IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, 802.1x, SNMP.
15. NDAA Compliant.
16. The Camera shall conform to the ONVIF G / S / T.

B. CAMERA

1.	Image Sensor	1/2.7" 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	2.8mm@F1.6
2.	Angular Field of View	H: 110.0°, V: 58.7°, O: 130°
	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
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.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.	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 (based on human body detection), Intrusion (based on human body detection), Motion detection, Ultra motion detection, Tampering alarm, Audio detection
8.	Privacy Zone	On / Off
9.	Camera Title (OSD)	Up to 20 characters
10.	Digital zoom	4x

G. NETWORK

1.	Network Interface	1 RJ45 10M/100M Base-TX Ethernet
2.	IP	IPv4
3.	Supported Protocols	
	a. IPv4	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, 802.1x, SNMP
4.	Max. User access	Up to 32 users
5.	Mobile Terminal Compatibility	iPad, iPhone(OS 4.2.1 or later）, Android™ mobile terminals

H. INTERFACE

1.	External I/O Terminals	1 Channel In | 1 Channel Out
2.	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 5.6W

J. SAFTEY / EMC

1.	Safety	CE LVD (EN 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
2.	EMC	FCC 47 CFR part15 B CE-EMC: EN 55032/ EN 55035/ EN IEC 61000-3-2/ EN 61000-3-3

K. MECHANICAL

1.	Dimensions (D x H)	190 x 73 x 71mm (7.5” x 2.9” x 2.8”)
2.	Weight	0.40kg (0.88lb)

L. ENVIRONMENTAL

1.	Ingress resistance	IP67
2.	Vandal resistance	IK10
3.	Operating Temperature	-35°C ~ 60°C (-31°F ~ 140°F),
4.	Operating Humidity	≤95% RH (Non-Condensing)