

advidia M-45-FW-V2 4MP Fixed Dome 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-45-FW-V2 4MP IR Fixed Dome 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 1/2.7" 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 of 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 30m (98ft).
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 Intrusion, 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 support IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, QoS protocols.
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: 0.01Lux (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: 101.1°, V: 55.3°, 111.1°
Aspect ratio (16:9)

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 / 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
Intrusion, 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, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL
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. 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 4.5W

J. SAFETY / EMC

1. Safety UL (IEC60950-1), CE, IEC62368-1
2. EMC FCC (Part15 ClassA), EN55032 ClassB, EN55024

K. MECHANICAL

1. Dimensions (D x H) $\Phi 109 \times 62\text{mm}$ ($\Phi 4.3" \times 2.4"$)
2. Weight 0.22kg (0.49lb)

L. ENVIRONMENTAL

1. Operating Temperature $-35^{\circ}\text{C} \sim 60^{\circ}\text{C}$ ($-31^{\circ}\text{F} \sim 140^{\circ}\text{F}$),
2. Operating Humidity $\leq 95\%$ RH (Non-Condensing)