



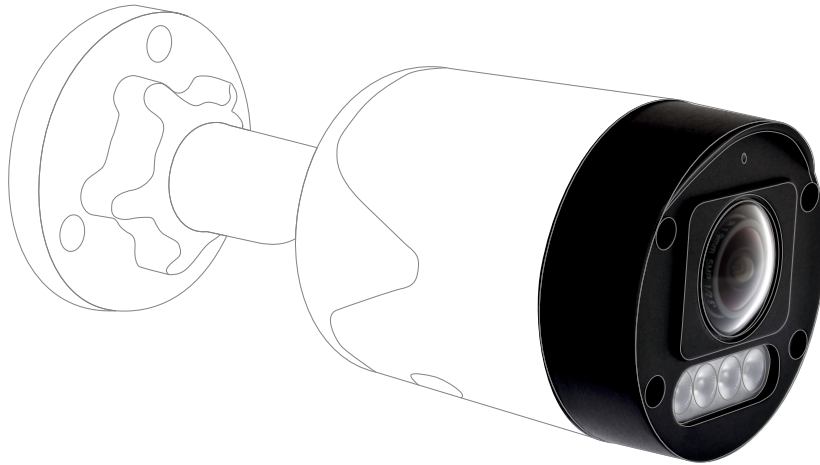
# *Chameleon*

Because Safety is Never Black & White.



evrýs

INSPIRED BY THE ANCIENT GREEK WORD  
EVRÝS ( εὐρύς ) MEANING "WIDE"



.....inspired by the ancient Greek word Khamailéōn ( χαμαιλέων ) meaning "Chameleon" 



**8M** 4K ULTRA HD  
**5M** 5.0 MEGA  
**4M** 4.0 MEGA



## Advert Tech Japan : 3 Decades of Excellence in Video Surveillance Design & Manufacturing

Advert Tech Japan presents an innovative surveillance solution introducing the Khamailéōn Series : "Adaptive Vision, Anytime, Anywhere" Network Surveillance Cameras, inspired by the ancient Greek word "χamailéōn" meaning "Chameleon". At Advert Tech Japan, with over three decades of proven expertise in Video Surveillance Product Design and Manufacturing, we have drawn inspiration from this ancient Greek term to bring you a comprehensive range of Khamailéōn Series full-color vision day and night network cameras.

Taking inspiration also from the ancient Greek word εὐρύς (evrýs), meaning "wide," the Khamailéōn Series integrates advanced wide-angle lens technology, enabling a single camera to cover broader areas that would traditionally require multiple devices. This innovation not only maximizes situational awareness but also reduces installation complexity and overall system cost.

The Khamailéōn Series cameras boast advanced Ai DSP technology, offering a wide array of AI Video Content Analytics functionalities. Imagine having an invisible line in your surveillance video that alerts you every time someone or something crosses it. Line Crossing Analytics detects such boundary crossings, proving invaluable for security or traffic management purposes.

Motion Detection operates like an ever-alert security guard, noticing even the slightest movement within the camera's view and immediately triggering alerts to keep your premises monitored.

Sensor Detection acts like a sensitive alarm system, responding instantly to inputs from connected sensors—whether door contacts, infrared beams, or environmental triggers—keeping you informed of any physical changes in the monitored area.

Regional Intrusion Detection establishes invisible security perimeters, alerting you when someone enters restricted zones, acting like a digital fence with a watchful eye.

Video Occlusion Detection operates as a vigilant monitor, detecting when the camera's view is blocked, obscured, or tampered with, ensuring uninterrupted surveillance.

Cross Detection behaves like a virtual crossing guard, recognizing people or vehicles crossing predefined lines or boundaries, immediately notifying authorities of unauthorized movement.

The Khamailéōn Series features cutting-edge specifications, including built-in Ray Gold Board technology, high-quality low lights sensors, vari-focal lenses, true day/night functionality, smart motion detection, and robust night vision capabilities, ensuring clear and reliable surveillance footage in various conditions.

With IEEE 802.3AF Class 2 PoE or 12VDC power options, the Khamailéōn Series offers flexibility and ease of installation, making it an ideal choice for a wide range of surveillance applications. Trust Khamailéōn Series cameras to provide unmatched visibility and security for your surveillance needs.

# Chameleon Series Network Camera Datasheet



Product may vary in appearance and specifications.  
Product available with PoE and Without PoE.

- 1/2.7" 8.0 Mega Sensor (AD-WFB-8M)
- 1/2.7" 5.0 Mega Sensor (AD-WFB-5M)
- 1/2.7" 4.0 Mega Sensor (AD-WFB-4M)
- Image Resolution and FPS :  
25/30fps-3860x2160 (AD-WFB-8M)  
25/30fps-2560x1960 (AD-WFB-5M)  
25/30fps- 2560x1440 (AD-WFB-4M)  
25/30fps-704x576, 640x480,352x288 (Secondary )
- Dual Stream: Support Main Stream and Sub-stream
- 1.8 mm Wide Fixed-Focal Lens
- True Color Day / Night Image
- H.265, H.264, Compression
- Support IE Operation and CMS Operation
- Support ONVIF Profile S Ver.2.4 or The 3rd.Party NVR / HVR on Request
- IP66 OUT-DOOR Housing
- Support TF Card Slot, max 128G for local storage
- Power Supply: 12V DC Input & PoE IEEE 802.3af Class 2
- 10~30 meters true Visual Distance
- High Power Array Warm LED Supreme Night Color Visibility

Camera IR Range & What You Can See (1.8 mm Wide Lens) Built-in IR light usually works up to 10-30 m, depending on the area.Target: average adult (1.7 m tall, standing).  
Pixel rule of thumb (not exact science): Detection (~2 px): you see someone is present. Observation (~4 px): you see a person clearly. Recognition (~8 px): you can guess clothing, gender, build. Identification (~40 px): you may identify face or unique details.

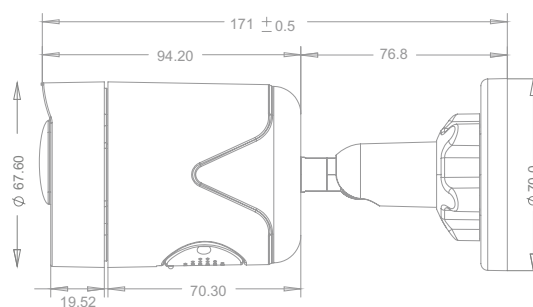
LensTypical HFOV (approx)	Detection (m) :	Observation (m) :	Recognition (m) :	Identification (m) :
1.8 mm~135°	20-30 m	10-15 m	8-12 m	3-5 m

## TECHNICAL SPECIFICATIONS

Model Name	AD-WFB-8M (8.0 Mega)	AD-WFB-5M (5.0 Mega)	AD-WFB-4M (4.0 Mega)
<b>VIDEO PARAMETERS</b>			
Imaging Device	1/2.7" 8.0 Mega CMOS Sensor	1/2.7" 5.0 Mega CMOS Sensor	1/2.7" 2.0 Mega CMOS Sensor
Total Pixels	3,860(H)X2160(V)	2,560(H)X1,960(V)	2,568(H)X1,448(V)
Scanning System	Progressive Scan Sensor		
Min. Illumination	Color: 0.1Lux@F1.2 (AGC OFF), B/W: 0.01Lux@F1.2 (AGC ON)		
S/N Ratio	More than 50 dB (AGC OFF)		
Video Compression Format	H.265, H.264, M-JPEG		
Video Quality Adjustment	H.265, H.264: Compression Level, Target Bit rate Level Control (CBR/VBR), M-JPEG: Quality Level Control		
Data Rate Control Method	Video Compression level of H.265, H.264, Video Frame rate, Bit rate CBR or VBR		
Dual Stream	Main Stream: 3840*2160 /3072*2048 / 2304*1296 /1920*1080 Sub Stream: 720*576/640*480/ 352*288	Main Stream: 2560*1960 /2592*1520 / 2048*1536 /1920*1080 Sub Stream: 720*576/640*480/ 352*288	Main Stream: 2560*1440 /2304*1296 /1920*1080 1280*960 /1280*720 Sub Stream: 720*576/640*480/ 352*288
Max. Frame rate	3840*2160@25/30fps; 3072*2048@25/30fps; 2304*1296@25/30fps; 1920*1080@25/30fps	2560*1440@25/30fps; 2304*1296@25/30fps; 1920*1080@25/30fps	4.0 Mega@25/30fps 1080P@25/30fps; 960P@25/30fps; 720P@25/30fps

<b>IR PARAMETERS WITH SELECTION OF LENS</b>	
True Wide and Tele IR LED	High Power Split Beam Customized 4 pcs. Array Warm LED
IR Distance & Lens	1.8 mm Wide Fixed-Focal Lens (10~30 mt.)
<b>NETWORK PARAMETERS</b>	
Ethernet	RJ45 for 10BASE-T/100BASE-TX PoE
Protocol	HTTP, PPPoE, UPNP, FTP, DDNS, VPN, RTSP, etc.
ONVIF Conformance	Support ONVIF Profile S Ver.2.4
Central Management Software	Support
<b>ENVIRONMENTAL PARAMETERS</b>	
Operating Temperature/ Humidity	-10°C to +50°C, 0% to 90% (non-condensing)
Ingress Protection	Waterproof Housing (IP66)
<b>ELECTRICAL PARAMETERS</b>	
Power over Ethernet	Power over Ethernet IEEE 802.3af Class 2
Input Voltage/ Current	190mA/DC12V; 330mA/DC12V with IR LED ON
Power Consumption	Day:2.3W Night:3.96W
<b>MECHANICAL PARAMETERS</b>	
Color/ Material	Body: White Epoxy Spray Paint / Aluminum Dai Cast / PC Dome Cover
Dimensions	67.60 mm (H) X 171.0mm (L)
Weight	Approx. 350 g

## DIMENSIONS



The above mentioned technical drawings are for reference only.

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