



# iCam-D28F

8MP AI Fisheye Mini Dome Network Camera



SD Card



PoE



Cloud



Fisheye



Edge AI



8MP



Audio



Wi-Fi

iCam-D28F is an indoor super mini fisheye camera with 8MP/4K Ultra HD resolution and 360 full angles viewing design. The 4K Ultra HD resolution brings most clear images for people, car and objects. The iCam-D28F series supports standard H.264/H.265 and also the standard onvif protocol. The optional Wi-Fi model(-W) offers wireless communication and easily setup. The edge storage SD card slot can support up to 128GB micro SD card. The device has built-in person detection and vehicle detection functions and you can easily get event alarm from the Intellisight mobile APP. The Built-in Microphone and Speaker interface support audio events and two-way audio.

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## Features



### High Definition up to 8MP

8MP high resolution provides more detailed images of person, faces, and more.



### Fisheye Design

The Fisheye sensor can let you easily get 360 degree images and covering the 200 square meters surrounding areas.



### Built-in Microphone and Speaker

Built-in Microphone and Speaker interface support audio events and two-way audio.



### Smart Events

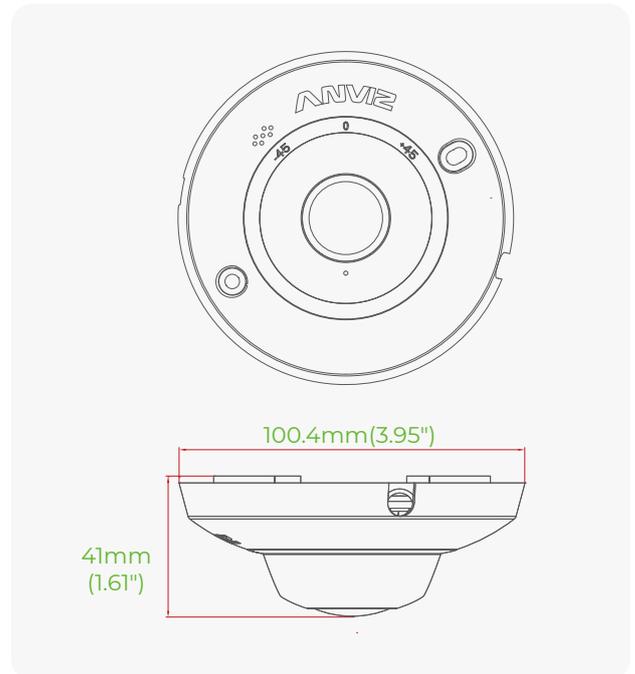
Provide accuracy alarms compared with traditional motion alarms to reduce manual supervision, by edge AI engine, include: Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Loitering Detection.



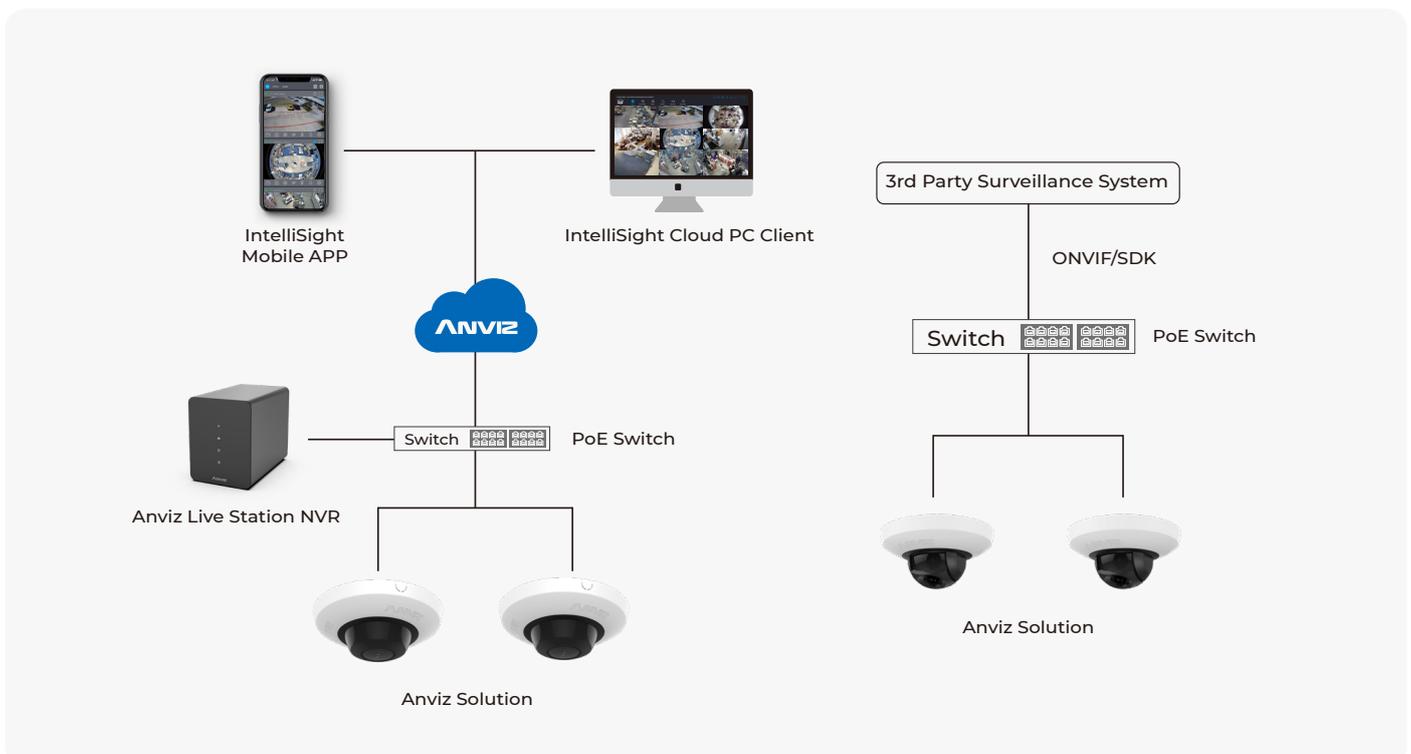
### Edge Deep Learning Engine

Based on edge deep learning AI engine, camera provides multiple rules to detect Vehicle, Face, Pedestrian. Face Recognition and License Plate Recognition make a powerful AI camera for access management.

## Product Dimensions



## System Configurations



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## Specifications

		
Model	iCam-D28F	iCam-D28FW
<b>Camera</b>		
Image Sensor	1/1.8" 8 Megapixel Progressive Scan CMOS	
Max. Resolution	3840(H)x2160(V)	
Shutter Time	1/12s ~ 1/10000s	
Minimum Illumination	Color: 0.01Lux @(F1.2, AGC ON)	
Day/Night	IR-CUT with Auto Switch/Scheduled	
WDR	HDR	
BLC	Support	
<b>Lens</b>		
Mount Type	Fixed M12	
Focal Length	1.7mm (0.07")	
Aperture	F2.0	
FOV	185°(H)	
Iris Type	/	
<b>Illuminator</b>		
IR Range	/	
Wavelength	/	
<b>Audio</b>		
Audio Compression	G.711, G.726, AAC-LC	
Audio Type	Mono	
Audio Capability	Environmental Noise Filter, Echo Cancellation, Two-way Audio	
<b>Video</b>		
Video Compression	H.264, H.265	
Video Bit Rate	512kbps ~ 16mbps	
Resolution	Main Stream (3840*2160, 2560*1440, 1920*1080, 1280*720) Sub Stream (1920*1080, 1280*720, 704*576, 640*480) Third Stream (1280*720, 704*576, 640*480)	
Live View	On Board Support: Fisheye View, 180° Panorama View, Fisheye + 3ePT	
Region of Interest (ROI)	4 Fixed Regions for Each Stream; Target Cropping of Third Stream	
<b>Image</b>		
Image Setting	Saturation, Brightness, Contrast, Sharpness, Auto white balance	
Image Enhancement	Lens Distortion Correction, Defog, 2D/3D DNR	
S/N Ratio	39dB	
Dynamic Range	>74dB	
Others	OSD, Image Flip, Picture Overlay	
<b>Smart Events</b>		
Video Analytics	Defocus Detection, Scene Change Detection, Occlusion Detection	
Smart Events	Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Loitering Detection	
Deep Learning Events	Vehicle Detection, Face&Pedestrian Detection, Face Match (-P), ANPR (-C)	
<b>Network</b>		
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, IPv4, IPv6	
Compatibility	ONVIF, GB28181, CGI API	
Management	IntelliSight Cloud Desktop Software, IntelliSight Mobile APP	
<b>Interface</b>		
Ethernet	1 RJ45 (10/100Mbps)	
WIFI	/	IEEE 802.11 b/g/n
Storage	Built-in MicroSD/SDHC/SDXC Slot, up to 128 GB	
Audio	1 Built-in Mic, 1 Built-in Speaker	
Key	Reset Button	
<b>General</b>		
Power Supply	DC12V 1A/POE (IEEE 802.3af)	
Power Consumption	<6W	
Operating Conditions	-10°C to 50°C (14°F to 122°F), Humidity: 10% to 90% (No Condensation)	
Certifications	CE, FCC, RoHS	
Weight	0.38kg	
Dimensions	Ø100.4*41mm (Ø3.95*1.61")	