



PM-PFAULFR-W

12MP Fixed Fisheye IP Camera

The 12MP Fixed Fisheye Network Camera is engineered for full-scene coverage with a single lens, delivering a 360° panoramic view ideal for comprehensive surveillance in open areas such as airports, shopping malls, banks, and hotels. With ultra-high 12MP resolution ensures crystal-clear image quality and smooth video performance. Its built-in infrared LEDs provide night vision up to 20 meters, allowing round-the-clock monitoring even in complete darkness. Equipped with advanced image enhancement technologies it maintains clarity and detail in challenging lighting conditions.



NDAA
COMPLIANT

H.265+ H.264
H.265 JPEG



SECURE
SSL ENCRYPTION

IP67



Key Features

- 12MP Fixed fisheye network camera
- Digital Wide Dynamic Range
- IR range: 10-20m
- IP67 protection from dust and water
- Advanced encryption and access control
- NDAA

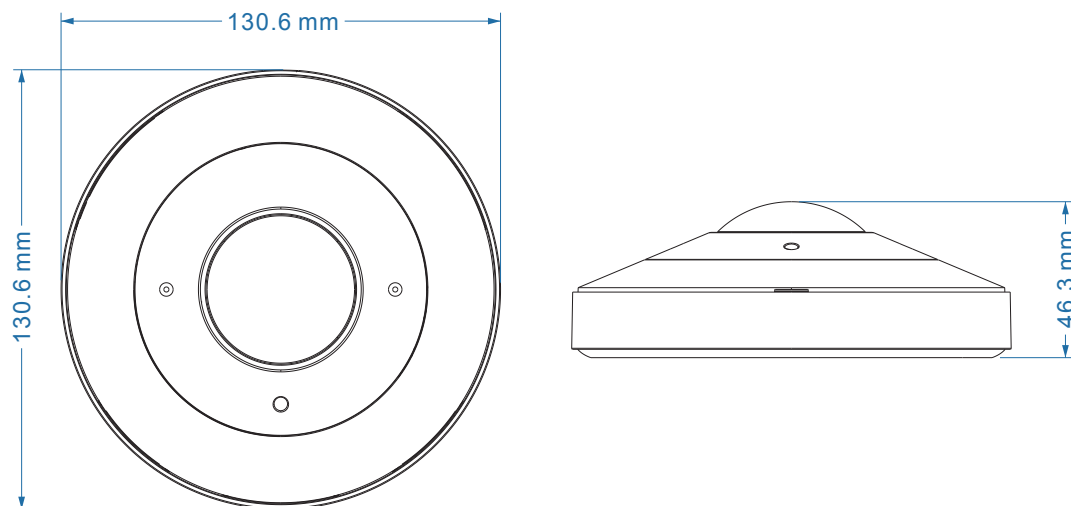
Specifications

CAMERA	
Type	12MP Fixed Fisheye Network Camera
Image Sensor	1/1.7" Progressive Scan CMOS
Max Resolution	12MP resolution (1:1, 3000×3000)@30fps
Electronic Shutter	1/3s~1/100000s
Min. Illumination	0.01 lux@F2.0, AGC ON
IR Distance / Light Range	10-20m
LENS	
Focal Length	1.65mm@F2.0
Focus	Fixed
Iris Type	Fixed IRIS
Angular Field of View	H.FoV: 180° (wall mounting) 360° (ceiling mounting) 360° (desktop)
Day&Night	ICR
IMAGE	
Video Compression	Mainstream: H.265+/H.265/H.264+/H.264 Sub stream: H.265+/H.265/H.264+/H.264 MJPEG
Supported Resolution & Stream	Mode1: Fisheye Fisheye view (mainstream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz: 1~30fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz: 1~30fps) Fisheye view (third stream): 960×960/640×640/360×360 (50Hz: 1~25fps; 60Hz: 1~30fps) Mode2: Panoramic Panoramic view (mainstream): 4000×3000/3840×2160/3200×1800/2560×1440(50Hz:1~20fps; 60Hz:1~20fps) Panoramic view (sub stream): 1920×1080/960×540/640×480(50Hz:1~20fps; 60Hz:1~20fps) Panoramic view (third stream): 1280×720/640×360(50Hz:1~20fps; 60Hz:1~20fps) Mode 3: Fisheye+Panoramic+3 PTZ Fisheye view (mainstream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~15fps; 60Hz:1~15fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~15fps; 60Hz:1~15fps) Fisheye view (third stream): 960×960/640×640/360×360 (50Hz: 1~15fps; 60Hz:1~15fps) Panoramic view (main stream): 4000×3000/3840×2160/3200×1800/2560×1440 (50Hz: 1~15fps; 60Hz: 1~15fps) Panoramic view (sub stream): 1920×1080/960×540/640×480(50Hz: 1~15fps; 60Hz: 1~15fps) Panoramic view (third stream): 1280×720/640×360 (50Hz: 1~15fps; 60Hz: 1~15fps) 3PTZ view: (1280×720/960×540/640×360)*3 (50Hz: 1~15fps; 60Hz: 1~15fps) Mode 4: Fisheye+4 PTZ Fisheye view (mainstream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (third stream): 960×960/640×640/360×360 (50Hz: 1~25fps; 60Hz:1~30fps) 4PTZ view : (1280×720/960×540/640×360) * 4 (50Hz:1~15fps; 60Hz: 1~15fps) Mode5: Fisheye+4 PTZ Fusion Fisheye view (mainstream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (third stream): 960×960/640×640/360×360 (50Hz: 1~25fps; 60Hz:1~30fps) 4PTZ fusion view (mainstream): 2560×1440 (50Hz: 1~20fps; 60Hz: 1~20fps) 4PTZ fusion view (sub stream): 640×360 (50Hz: 1~20fps; 60Hz: 1~20fps) 4PTZ fusion view (third stream): 640×360 (50Hz: 1~20fps; 60Hz: 1~20fps)
Number of Supported Stream	3
Bit Rate	64Kbps~16Mbps
Bit Rate Type	VBR/CBR
Image Settings	ROI Saturation Brightness Hue Contrast Wide Dynamic Sharpness Image Flip Image Mirror NR etc.adjustable through client software or web browser
Audio Compression	G711A / U
Region Of Interest	Each ROI to be configured separately
OPERATIONAL	
Wide Dynamic Range	Digital WDR
Back Light Compensation (BLC)	Yes
High Light Compensation (HLC)	Yes
Defog	Yes
Digital Noise Reduction (DNR)	3D NR
S/N ratio	≥ 50dB
Angle Adjustment	-
INTERFACES	
Network	1 CH RJ45 10 M/100 M self-adaptive Ethernet port
Video	CVBS (BNC×1)
Audio	2CH Built-in MIC 1 CH audio input 1CH audio output
Storage	Built-in micro SD card slot, up to 256GB

Specifications

Alarm	1CH alarm input 1CH alarm output
RS-485	Yes, half-duplex
INTELLIGENT ANALYTICS	
Statistics	Yes, with NVR or SD Card
Exception Detection	Yes
Face Detection	No
Video Metadata	No
OTHER ANALYTICS	
Motion Detection	-
Smart Alarm	Motion detection Sensor alarm SD card full, SD card error IP address conflict Cable disconnection Audio alarm Audio exception
Smart Event	Mode 1/3/4/5 (Ceiling Mounting): (Human) Region Intrusion Region Entrance Region Exiting Line Crossing Target Counting By Line Heat Map Mode 2/3 (Wall Mounting Or Desktop): Region Intrusion Region Entrance Region Exiting Line Crossing Target Counting By Line (Human/Motor Vehicle/Non-Motor Vehicle Classification)
FUNCTIONS	
Remote Monitoring	Web Browser TVT NVMS2.0 NVR mobile APP
Web Browser	Chrome 89.0+ Edge 89.0+ Firefox 87.0+ Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 6 users Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, SNMP PPPoE, DDNS, 802.1x, SMTP, FTP, UPnP, HTTPS, HTTP QoS, P2P, HTTP POST
Interface Protocol	ONVIF Profile S/G/M/T
Storage	Built-in micro SD card slot, up to 256GB
Other Function	Watermark Video mask Heartbeat Corridor pattern Fisheye dewarping System backup Disarming Cloud upgrade ANR
Security	Video encryption Firmware encryption HTTPS encryption Configuration encryption Illegal login lock IP address filtering 802.1x authentication Basic and digest authentication for HTTP/RTSP NDAA
Weather Protection	IP67 protection from dust and water
GENERAL	
Power Supply	DC12V/PoE
PoE	Yes, IEEE802.3af
Power Consumption	<10.5W
Operating Environment	-30°C to 60°C (-22°F to 140°F) Humidity 95% or less (non-condensing)
Storage Environment	-30°C to 65°C (-22°F to 149°F) Humidity 95% or less (non-condensing)
Dimensions (mm)	Ø130.6×46.3
Weight (net)	Approx.516.2g
Installation	Wall mounting Ceiling mounting Desktop
Certificate	EMC: EN 55032:2015+A11:2020 EN 55035:2017+A11:2020 Safety: EN IEC 62368-1:2020+A11:2020 RoHS: 2011/65/EU UKCA

Appearance



Optional Accesories

Mount Bracket



PM-YH0206-W
Junction box



PM-YZJ0813-W
Ceiling mount,
Fisheye camera



PM-YZJ0409-W
Wall mount, Fisheye
camera



PM-YZJ0216-W
Wall mount bracket,
Fisheye camera

Disclaimer:

Panasonic accepts no responsibility or liability for the performance of the network, nor for any third-party products used in conjunction with this system. Product dimensions and masses are approximate. Specifications are subject to change without notice.