

List of 12MP Omnidirection Network Camera including 8MP cameras

Models available in Japan

Fisheye lens equipped

OPT Corp.

2019.12

Superior Inferior

Maker	Model	Outdoor/Indoor	Fisheye Lens		Sensor Size	Compression	IR max distance	Body Size (mm)	Weight g	Infor	Distributor/Remarks
			F No.	f=							
HIKVISION (CHN)	DS-2CD63 C2F-IS	ID	2.8	2	1/1.7"	H.264	15m	164*153*43.8	1,400	Exclusion	D's S design
	DS-2CD63 C2F-IVS	OD	2.8	2	1/1.7"	H.264	15m	164*153*49.5	1,400	Exclusion	YK Musen
Dahua (CHN)	DH-IPC-EBW81200N	OD	2.2	1.57	1/2.3"	H.264	10m	Φ150*47.7	580	Exclusion	Sumsung Diamond
	IPC-EBW81230	OD	2.8	1.98	1/1.7"	H265 H264	10m	Φ149.8*47.7	580	Exclusion	NTT-Xstore
VIVOTEK (TWN)	FE9191	ID	2.2	1.29	1/1.7"	H.265 H.264		Φ139*39			FM
	FE9391-EV	OD	2.2	1.29	1/1.7"	H.265 H.264	20m	Φ160*62	846		
GeoVision (TWN)	GV-FER12203	I/OD	2.4	1.83	1/1.7"	H264	30m	Φ161*59	700		
AXIS (SWD)	M3058-PLVE	OD	2.2	1.3	1/1.7"	H264	15m	Φ149*66	770		CANON
CEPSA/Dahua	IPD-EB8120R	I/OD	2.2	1.57	1/2.3"	H264	10m	Φ150*50.7	580	Exclusion	YK Musen
BOSCH (GMN)	FLEXIDOME IP Panoramic 7000 MP	ID	2.8	1.6	1/2.3"	H264	×	Φ158*68 (Φ158*33)	(445)		Sybanetec SONY SNC-HMX70
Panasonic (JPN)	WV-X4171	ID	1.9	1.4	1/2"	H.265	×	Φ150*49.5	420	Suspended	
	WV-X4571L	OD	1.9	1.4	1/2"	H.265	×	Φ164*96.3	1,300	Suspended	
SHARP (JPN)	YK-F121B	OD (ID)		2	1/1.7"	H.264+	15m	164*153*50 Square	700		made in CHN (Sell on Net)
OPT/ZOOM (JPN)	NUD360-F	OD	1.8	1.44	1/1.7"	H.264	20m	Φ152*110	1,980		

※Exclusion : subject of being excluded due to illegal CHIP equipped.

[COMMENTARY]

Lens F No. : Lens transmittance. Smaller is better. → That of 3 Chinese models and BOSCH's is dark so that the image is blurred.

Sensor Size : Since the number of pixels is the same (12.4 million pixels), the smaller the denominator, the larger the size of one element and the larger the amount of light that can be collected.

→ The image is clearer on the model using the 1 / 1.7 "sensor.

IR Max. Distance : Yes/No of the Day/Night function. = Indicates the distance of the near-infrared light to reach in night mode.

→ Panasonic models do not have a light, so it is not sufficient as a night-vision function.

Compression: H.265 has a higher compression rate than H.264. = more data can be transferred, so it is less affected by the communication environment.

Recorder: Each company's product complies with the ONVIF standard, and there is no problem connecting to a network video recorder (NVR) or server.

However, since only Panasonic has its own I / F, it is only compatible with Panasonic cameras.

Other concerning Points

• Although it does not appear as a number in the product specifications, the range in which you can take beautiful pictures differs depending on the characteristics of the fisheye lens installed.

NUD360-F is equipped with a large-diameter fisheye lens designed by the stereographic projection method, and the image height in the area around the lens is high (the image is not crushed), and the resolution of the lens is high.

• Cameras made in China use an illegal chip inside, and are designated as products that cannot be removed or adopted in Europe and the United States.

• Panasonic has already sold its domestic and overseas surveillance camera factories, and has announced that it will withdraw from surveillance cameras in the future. Currently, inventory is being reorganized at an exceptional value, but there are no plans for a successor model in the future, and support is in jeopardy. Currently, inventory is being reorganized at an ex

• Operability : All models can be operated from a web browser, but the settings inside the camera must be changed each time, so operability is poor and operation is slow. Only the OPT/ZOOM's NUD360-F is provided with an application that can expand the fisheye image externally, so the image expansion operation is very fast and the operability is excellent.