

Full HD Low-Cost IR Pan/Cake
Type IP Camera



VIDEO

Image Sensor	1/2.3" CMOS
Max. Resolution	1920x1080@30fps
Scanning Mode	Progressive Scan
Lens	3.7mm, F2.5
IRIS Control	DC Auto / Manual
Min. Illumination	Cokrr-0.12lux@1.4W-0lux with IR ON
S/R Ratio	50dB
Video Quality Compensation	AE-AWB, 2D-3DNR
D-WDR	Supported
DSS	Supported
Day & Night	Supported
IR Distance	15M
Intelligent Video	Motion Detection

NETWORK

NETWORK	Video Compression	H.264 / MJPEG	
	Multi-Media Streaming	Max. 3 (2MP, D1, Photo)	
	Streaming Method	RTSP Streaming with Proprietary Format for Control Information • Standard RTSP Streaming • HTTP Streaming	
	Bit Rate Control	Intelligent Hybrid Control (VBR + CBR)	
	Max. Frame Rate	30fps@2MP	
	2 Way-Audio	N/A	
	Network Protocols	IPV4v6, TCP, UDP, ICMP, ICMPv6, ARP, RARP, PPPoE, RTCP, RTP, RTSP, SDP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnP, NTP, DNS, DDNS	
	Security	User ID & Password Protection, IP Filtering, HTTPS, SSL Encryption, Digest Authentication, User Access Log, IEEE 802.1x	
	Edge Storage	N/A	
	LAN	10/100 Base-T LAN (Auto MDIX)	

AI ARM & EVENT

Trigger Event	Motion Detection
Alarm I/O	N/A
Event Notification	E-mail (with JPEG), FTP, Push Alarm
Event Buffering (Pre & Post)	Pre-alarm : 5~10sec / Post-alarm : 10~30sec

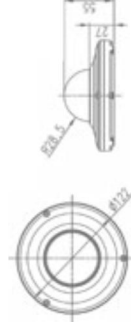
POWER & ENVIRONMENTAL

Power Source	12VDC(0.6A PoE (IEEE802.3af)
Power Consumption	7.2W (2V, 0.6A)
Operating Temperature & Humidity	0°C~45°C (32°F~113°F) & 8~90%RH
Outdoor Usage Certificate	-
Approval	CE, FCC, RoHS, KCC

KEY FEATURES

- 2MP CMOS
- Dual Codec (H.264 / MJPEG)
- Multi Streaming w / Max. 3
- Compact Design & Easy Installation
- Built-in D/N (TDN)
- PoE / DC12V
- Full Compatible Onvif Standard

DIMENSIONS



MAX. 400°/S PAN SPEED

Moving Speed Control of Panning and Tiling is available from 250°/Sec with manual control. In Preset Positions, Max. 400°/Sec Panning and 300°/Sec Tiling Speed Control is available.

AUTO LED BRIGHTNESS CONTROL BY DISTANCE RANGE

Wide Angle(Zoom Out) - **■** Illumination Level : automatically readjusted to a dimmer level by way of prevention against image saturation.
Narrow Angle(Zoom In) - **■** Illumination Level : automatically readjusted to get the maximum to have enough light for clear image display and reduction of energy consumption.

FREEZE/FOCUS AF, MF PRESET

Freeze Preset : On moving the preset, it is for stopping imagination on the screen.
Focus AF/MF Preset : It is for moving into Auto Focus / Manual Focus the preset as user want

Samsung Zoom Camera Module Specification

Image Sensor	1/3 type Exmor CMOS sensor
Effective Pixels	Approx. 2 million
Digital Zoom	25x (20x with optical zoom)
Horizontal Viewing Angle	54.1° (wide end) to 2.9° (tele end)
Minimum Object Distance	10mm (wide) ~ 1,000 mm (tele)
Sync System	Internal
Electronic Shutter	1/2 to 1/10,000 s, 21 steps
White Balance	Auto, ATW, Indoor, Outdoor, Auto, Sodium Vapor Lamp (flw/au), Onepush, Manual
Gain	Auto/Manual/Max. Gain Limit (-3 to 28 dB, 2 dB steps)
Wide Dynamic Range	Auto/Manual
Privacy Zone Masking	Spherical
Character Generator	20 characters/line, max. 11 lines
Focus System	Auto (Sensitivity: normal, low), Onepush AF, Manual, Infinity, Interval AF, Zoom, trigger AF
Camera Operation / Zoom Switch	Yes (Zoom Tele, Zoom Wide)
Picture Effects	EdUp, NegA, Art, Black & White, Mirror image, Color enhancement
Exposure Control	AE Optical Auto, Manual, Priority (shutter priority and its priority), Bright, EV Compensation, Slow AE
Lens Value	20x Optical Zoom, f=4.7 mm (wide) ~ 94.0 mm (tele), F1.6 to F3.5
S/N Ratio	More than 50 dB
Minimum Illumination	Less than 1.7 lx (F1.6, 50 IRS), 0.5 lx in High Sensitivity Mode
Signal System	HD, 1080p/25/30, 1080p/25, 1080i/50, 720p/50, 720p/25, 720p/25SD, NTSC/PAL
Camera Control Interface	VISCA (TTL Signal Level) Baud Rate: 96 Kba/s, 19.2 Kba/s, 38.4 Kba/s Stop bit: 12 bit selectable
Dimensions (W x H x D)	50.0 (w) x 50.0 (h) x 89.0 (d) mm
Weight	Less than 270g
Operating Temperature	-5°C ~ 60°C
Storage Temperature	-20°C ~ 60°C
Power Consumption	Less than 4.8W (motors inactive)
Power Requirements	6.0V ~ 12.0V DC

0.009° ACCURACY

Camera provides excellent sensitivity and delicate controlling on preset mode by adopting 1/16 micro step and twin gear system.

HIGH-QUALITY IR LED

Special LED mechanism achieves low-heat, low-power and high-illumination with excellent energy saving technology.

1,000h made on 90° C, -30°C and 60°C/RH 90%

