



Auto Focus Outdoor Bullet IR IP Camera



Features

- Outdoor Bullet IP Camera
- Powerful Auto Focus feature
- IP66 rain and dust resistant
- 60-metre infrared night vision
- 1080p resolution

Description

ZR8022 is 2-megapixel IP camera integrates 10x or 20x optical Auto Focus lens to focus or zoom adjustments by clicking on browsers, waterproof IP66 rated, progressive scan CMOS sensor, Wide Dynamic Range, and easy installation with 802.3at PoE+ or DC12V adapter.

Specifications

Model	ZR8022EX20
Image Sensor/Sensor type	1/2.8" CMOS image sensor
Effective pixels	1,984 (H) x 1,105 (V) = 2,192,320 pixels
Video Compression	H.264□Motion JPEG
Resolution	1080P(1920×1080) , 720p(1280 x 720) , D1(720 x 480) , CIF(352 x 240)
Frame Rates	H.264: up to 30 FPS @ 1920 x 1080, MJPEG: up to 30 FPS @ 720 x 480 / H.264: up to 30 FPS @ 1280 x 720, MJPEG: up to 30 FPS @ 352 x 240 / H.264: up to 30 FPS @ 1920 x 1080, MJPEG: up to 30 FPS @ 1280 x 720 / H.264: up to 30 FPS @ 720 x 480, MJPEG: up to 15 FPS @ 1920 x 1080
Lens	4.7mm - 94mm
Iris	F1.6 - F3.0
Angle of View	55.5° - 3(H) , 43□- 2.2□(V) , 72□- 3.8□(D)
Auto Focus	Yes
Zoom ratio	20X Optical zoom
Minimum object distance	0.2m (Wide), 1.0m (Tele)
Max IR distance	60m
Infrared LED Angle	Automatically adjusted, Depending on the zoom ratio
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Video bitrate	128Kbps to 8Mbps ; Frame rate and bitrate controllable on-the-fly ; VBR / CBR / GOP supported
Peak wavelength	850nm, high efficiency array
Window / Glass Thickness	Φ82 heat resistant glass
Scanning System	Progressive scan
IR cut filter	Colour (Day), Monochrome (Night), Auto, Schedule
Min. illumination/Low Light Mode (Colour)	0.02 lux at F1.6 Low Light Mode (Colour) , With Infrared 0.0 lux

White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Back Light Compensation (BLC)	On / Off
Shutter Time	1/30(1/25)s ~ 1/8,000s
Sense Up	Off / 1 frame / 2 frames / 3 frames / 7 frames
Sense Up+	Yes
Auto Gain Control	36 dB variable gain
3D Noise Reduction	Off / 1 to 32 selectable
2D WDR	Off / Auto / x2 / x3 / x4
Privacy Masking	Off / On (four independent areas)
Other functions	Sharpness, Image flip, Image mirror, Hue
Live video	CVBS1.0Vp-p, 75ohm, RCA connector
Audio Input / Output	Mono, 1.4 Vp-p , 50 KΩ , terminal connector
Encryption	Base64 HTTP encryption
Access	Multiple user access levels with password protection
User accounts	10 users accounts available
IP address filter	Yes
Multi IP address	Yes
Users	8 simultaneous users
ePTZ & Digital Zoom	Yes, ROI (Region of Interest) is supported
OSD (On-Screen Display)	Text overlay for date, time and camera name
IVS (Intelligent Video Surveillance)	Advanced Motion Detection, Tripwire Detection, Object Counting
Alarm event triggers	Face/ tampering/ audio /motion/ alarm detection
Alarm event actions	FTP,SMTP, HTTP post, SD card, SAMBA
CPU	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Firmware	Firmware upgrade via HTTP
Network Interface/Ethernet	10Mbps / 100Mbps Base-T, RJ-45
CE	Yes
FCC	Yes

OS requirement	Windows 2000□Windows XP□Windows Vista□ Windows 7□Windows 8 / 8.1
Web browser	Microsoft® Internet Explorer® 6.0 and later
CPU requirement	Intel Pentium 4 1.8GHz or above
RAM requirement	1GB or above, Independent Display Card
Protocols	IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ICMP, IGMP, SNMP, SIP, ONVIF profile S, Bonjour
Mobile phone	Integrated to LILIN mobile app (LILINViewer) ; iPhone, iPad, Android support
Video Management	ONVIF Profile S ; LILIN NAV 1.0 / CMX HD 3.6 ; Third party VMS through LILIN HTTP API
Video Display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 2.6.32
Audio	2-way audio , G.711 / PCM
SD Card (recording)	Support Micro SD/SDHC card for circular recording (card is not included)
Alarm Input / output	Digital 1 input (TTL, +3 □ 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA)
IP Rating	IP66 waterproof
Operating temperature	-40□ to 50□ (-40□ to 122□)
Dimensions	116mm(W) × 112mm(H) × 372mm(D)
Weight	1800g approx.
Power Supply	DC12V (±10%)□Power over Ethernet+ (IEEE 802.3at compliant)
PoE	PoE+
Power Consumption	18W (PoE+, 21W)