

ZCM4230HE

30x 4MP Ultra Low Illumination Gyroscope Anti-shake Zoom Camera Module



Network zoom camera module is a fully integrated network block camera including Image sensor, long range zoom lens, video encoding, video analysis and network transmission functions. It is designed to be flexible embedded into PTZ cameras, bullet cameras, Pan/Tilt positioning cameras, AGV robot systems, UAV drones, etc. Linovision network zoom camera modules provide standard 36-pin cable and complete SDK/ISAPI protocols. It comes with intuitive WEB GUI and CMS software, and OEM is welcomed.

Outstanding Features

- Ultra-low illumination full-color camera, through AI ISP image enhancement algorithm, achieves ultra-low light full color and matte full color
- AI AF's self-developed deep learning algorithm module enables faster focusing and more stable focusing.
- Contains 2T intelligent computing power, supports deep algorithm learning, and improves the performance of intelligent event algorithms
- The maximum resolution can reach 4 million pixels (2688×1520), and the maximum output of full HD 2688×1520@30fps real-time images
- 0.0005 Lux/F1.6 (color), 0.0001Lux/F1.6 (black and white), 0 Lux with IR
- Supports 30x optical zoom and 16x digital zoom
- Support gyroscope anti-shake
- Supports optical fog penetration, greatly improving the foggy effect of images
- Support H.265/H.264 video compression algorithm and support multi-level video quality configuration
- Supports three-stream technology, each stream can be independently configured with resolution and frame rate
- ICR infrared filter type automatic switching to achieve true day and night monitoring
- Supports backlight compensation, automatic electronic shutter and other functions to adapt to different monitoring environments
- Supports 3D digital noise reduction, strong light suppression, electronic image stabilization, and wide dynamic range
- Supports 255 preset positions and 8 cruise scans
- Supports scheduled snapshot and event snapshot functions
- Supports one-key watch and one-key cruise functions
- Support 1 audio input and 1 audio output
- Built-in 1 alarm input and 1 alarm output, supporting alarm linkage function
- Supports Micro SD/SDHC/SDXC card storage that can be expanded up to 256G
- Support ONVIF, GB/T28181 access
- Rich interfaces for easy function expansion
- Small size, low power consumption, easy to connect to dome cameras and PT unit

Specification

Camera	Image Sensor	1/1.8" Progressive Scan CMOS
	Minimum Illumination	Color:0.0005 Lux @ (F1.8, AGC ON); B/W:0.0001Lux @ (F1.8, AGC ON)
	Shutter	1/25s to 1/100,000s; Support delayed shutter
	Aperture	DC Drive
Lens	Day/Night Switch	ICR cut filter
	Focal Length	7.1~213mm, 30x Optical Zoom
	Aperture Range	F1.61-F5.19
	Horizontal Field of View	59.2-2.55° (wide-tele)
	Minimum Working Distance	100mm-1500mm (wide-tele)
	Zoom Speed	Approximately 4s(optical, wide-tele)
Compression Standard	Video Compression	H.265 / H.264
	H.265 Type	Main Profile
	H.264 Type	BaseLine Profile / Main Profile / High Profile
	Video Bitrate	32 Kbps~16Mbps
	Audio Compression	G.711a/G.711u/G.722.1/G.726/MP2L2/AAC/PCM
Image (Maximum Resolution: 2688*1520)	Audio Bitrate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/16-64Kbps(AAC)
	Main Stream	50Hz: 25fps (2688×1520, 1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (2688×1520, 1920 × 1080, 1280 × 960, 1280 × 720)
	Third Stream	50Hz: 25fps (704 x 576); 60Hz: 30fps (704 x 576)
	Image Settings	Saturation, Brightness, Contrast and Sharpness can be adjusted via the client-side or browse
	BLC	Support
	Exposure Mode	AE / Aperture Priority / Shutter Priority / Manual Exposure
	Focus Mode	Auto Focus / One Focus / Manual Focus / Semi-Auto Focus
	Area Exposure / Focus	Support
	Defog	Support
	Day/Night Switch	Automatic, manual, timing, alarm trigger
	3D Noise Reduction	Support
	Network	Picture Overlay Switch
Region of Interest		Support three streams and four fixed areas
Storage Function		Support micro SD / SDHC / SDXC card (256g) offline local storage, NAS (NFS, SMB / CIFS support)
Protocols		TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,NTP,SMTP,SNMP,IPv6
Intelligent Calculation Interface	Interface Protocol	ONVIF(PROFILE S,PROFILE G)
General	Intelligent Calculation	0.8T
	External Interface	36pin FFC (Network port, RS485, RS232, SDHC, Alarm In/Out,Line In/Out, power) USB3.0
	Working Temperature	-30°C~60°C, humidity≤95%(non-condensing)
	Power supply	DC12V±10%
	Power consumption	3.3W MAX (ICR, 4.4W MAX)
Dimensions	116.3*67.8*4.5	
Weight	415g	

Dimensions

