# LINOVISION

## ZCM2120H

20x 2MP Starlight Network 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

- Black light full color camera, through AI ISP image enhancement algorithm, achieves ultra-low light full color and matte full color
- Max Resolution: 2MP (1920×1080), Max Output: Full HD 1920×1080@30fps Live Image
- Support H.265/H.264/MJPEG Video Compression Algorithm, Multi-level Video Quality Configuration and Encoding Complexity Settings
- Starlight Low Illumination, 0.001Lux/F1.6(Color),0.0005ux/F1.6(B/W) ,0 Lux with IR
- 20x Optical Zoom
- Support Area Intrusion Detection, Cross-border Detection, Motion Detection, Privacy Shield, etc.
- Support 3-stream Technology, Each Stream Can Be Independently Configured With Resolution And Frame Rate
- ICR Automatic Switching, 24 Hours Day and Night Monitor
- Support Backlight Compensation, Automatic Electronic Shutter, Adapt to Different Monitoring Environment
- Support 3D Digital Noise Reduction, High light Suppression, Electronic Image Stabilization, 120dB Optical Width Dynamics
- Support 255 Presets, 8 Patrols
- Support Timed Capture and Event Capture
- Support One-click Watch and One-click Cruise Functions
- Support One Channel Audio Input and Output
- Support Alarm Linkage Function with Built-in One Channel Alarm Input and Output
- Support 256G Micro SD / SDHC / SDXC
- Support ONVIF
- Optional Interfaces for Convenient Function Expansion
- Small Size and Low Power, Easy to Inset PT Unit, PTZ

## Specification

| | | |
|---|---|---|
| Camera | Image Sensor | 1/2.8" Progressive Scan CMOS |
| | Minimum Illumination | Color:0.001 Lux @ (F1.6,AGC ON); B/W:0.0005Lux @ (F1.6,AGC ON) |
| | Shutter | 1/25s to 1/100,000s; Supports delayed shutter |
| | Day/Night Switch | ICR cut filter |
| Lens | Focal Length | 5.8-116mm, 20x Optical Zoom |
| | Aperture Range | F1.78-F2.86 |
| | Horizontal Field of View | 53.62-3.75° (wide-tele) |
| | Minimum Working Distance | 100mm-1500mm (wide-tele) |
| | Zoom Speed | Approximately 3s (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 |
| | Audio Bitrate | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/16-64Kbps(AAC) |
| Image（Maximum Resolution: 1920*1080) | Main Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| | Third Stream | 50Hz: 25fps (704x576); 60Hz: 30fps (704x576) |
| | Image Settings | Saturation, Brightness, Contrast and Sharpness can be adjusted via the client-side or browser |
| | 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 |
| | Picture Overlay Switch | Support BMP 24-bit image overlay, customized area |
| | Region of Interest | Support three streams and four fixed areas |
| Network | 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 |
| | Interface Protocol | ONVIF (PROFILE S,PROFILE G) |
| Interface | External Interface | 36pin FFC (Network port, RS485, RS232, CVBS, SDHC, Alarm In/OutLine In/Out, power),USB3.0 |
| General | Working Temperature | -30℃~60℃, humidity≤95%(non-condensing) |
| | Power supply | DC12V±10% |
| | Power consumption | 2.5W MAX(ICR, 4.5W MAX) |
| | Dimensions | 81.5*47*57mm |
| | Weight | 154g |

## Dimensions