

Product Differentiation of ATC-HZ8905J-L

With the KT&C ATC-HZ8905J-L Ultra-Compact Full HD Camera Module, you gain access to a world of exceptional imaging possibilities. This cutting-edge camera module empowers you with the tools you need to achieve superior results in your projects especially micro payload for UAV and Drone.

Its ultra-compact form, with a mere 52 mm length and 43g weight, houses a robust 5x optical zoom, making it versatile for existing housings and space-limited installations.

Elevate your imaging capabilities with the KT&C ATC-HZ8905J-L Full HD Auto Focus Optical Zoom Global Shutter Block Camera. This advanced camera offers a range of powerful features for exceptional performance in various applications.

With its Global Shutter technology, this camera eliminates rolling shutter effects, capturing images with unmatched accuracy. The Digital Image Stabilization ensures steady footage even in dynamic environments. Motion Detection enhances security, while the Image Flip (E-Flip) feature provides flexible image orientation.

The 1/3.1" CMOS sensor, boasting 3.2 MP and 2064x1552 resolution, guarantees remarkable image clarity. The camera offers versatile video outputs, including LVDS and CVBS, supporting 1080p@60(50fps).

Thanks to features like AGC, WDR, and AF Optical zoom lens with 5x optical and 16x digital zoom, this camera excels in diverse lighting conditions. Whether it's auto/manual interval shooting or precise presets, the camera provides customizable control over focus and exposure.

The camera's robust design includes Digital WDR, 3DNR, and defog capabilities, ensuring top-notch image quality. The RS232 TTL interface enables seamless communication with various protocols like VISCA, Pelco-D, Pelco-P..

With applications spanning from security and surveillance to robotics and video conferencing, this camera delivers exceptional performance. Its compact dimensions (35x33.8x52 mm include F-PCB cable) and lightweight build (approx. 43g without case) make it suitable for various setups. Operating within -10°C to +50°C temperature range, this camera adapts to challenging environments with ease.

Experience outstanding image quality, versatility, and reliability with the ATC-HZ8905J-L. Choose innovation and precision for your imaging needs.

Features:

■ Image Sensor

- Latest Sony Global Shutter Image Sensor
- Small Size
- High Resolution (Max. 3.2MP)
- Compact with pixel miniaturization
- Greatly improved incident light angle dependency
- Enhanced NIR region sensitivity
- With functions that reduce the burden of post-processing
- Fast AE (Auto Exposure) function
- Quad HDR (High Dynamic Range) function
- High-speed imaging
- Digital Image Stabilization
- Image Flip (E-Flip)

■ Camera Functions

- Compact 5-times 5MP resolution zoom lens
- Compact Size: 35x33.8x46.7mm (52mm include F-PCB cable) without case, 39x38x52mm with case
- Weight: 43g without case, 70g with aluminum case
- Optical 5X , Digital 16X, Total 80X zoom
- High Speed Lens Control (from X1 to X5 : under 1.5sec)
- Image resolution: 2MP
- 3D/2D Noise reduction
- Multiple Video output : 1080p/60,1080p/50,1080p/30, 1080p/25, 720p/60,720p/50,720p/30, 720p/25, 1080i/50, 1080i/60
- Spherical Privacy Zone Mask (8-mask)
- Motion detection (4-zone)
- Multi-Protocol : VISCA, EAP/AFP, PELCO-P/D
- High speed Auto Focus
- Auto Exposure, HDR, BLC, Defog
- Lens Shading, Defect Detection, Freeze, Image Rotation
- Camera control optimized for UAV
- Video output : LVDS/CVBS

Applications:

- Micro Payload
- UAV, Drone
- Military Applications