

USB3.0 area scan camera, SU series

LS-MV-SU series · Area scan cameras · 3 models

USB3.0 area scan cameras with 5Gbps transmission bandwidth and high-speed sensors: a 0.3MP camera reaches 800 fps with a minimum transmission time of 1.2 ms and a 20MP camera reaches 18fps; one computer can run multiple cameras at high frame rate. Low CPU utilization through DMA transmission. Widely used in electronic 3C, semiconductor automation, logistics code scanning, intelligent transportation, biomedicine, packaging and printing.

Features

- Programmable IO, supports external trigger and flash synchronous photography
- Supports 16bit gray and 48bit color lossless format output
- 0.3MP to 20MP CMOS, multiple global shutter cameras available
- One computer can connect multiple cameras and work stably for a long time without dropping frames
- Fully compatible with the GigE camera SDK, seamless replacement
- Supports PC Linux and ARM Linux, can be integrated into embedded devices
- Supports vision protocols; compatible with Halcon, VisionPro, LabVIEW and other vision software

Applications

- Electronic 3C
- Semiconductor automation
- Logistics code scanning
- Intelligent transportation
- Biomedicine
- Packaging and printing

Common specifications

Vision standard	USB3Vision 1.0, GenICam
Data interface	USB3.0
Operating system	WIINXP, WIN7/8/10 32@64-bit system, Linux and ARM Linux driver (customizable), Android platform driver (customizable)
Driver	Directshow component Halcon special component Labview special driver OCX component TWAIN component
Programming language pack	C/C++/C#/VB6/VB.NET/Delphi/BCB/Python/Java
Working temperature @humidity	0~50°C @ 20%~80% (no condensation)
Storage temperature @humidity	30~60°C @ 20%~95% (no condensation)
Other functions	Support any size ROI custom resolution, contrast and gamma adjustment, saturation adjustment, white balance correction, black level correction, custom dead point coordinate correction, ISP image processing acceleration, 3D noise reduction, custom LUT table, frame rate adjustment, custom camera name, etc.
Tailpiece suffix options (AU/FU/CU/2SU)	T1V-C: line sequence definition 1, 12V power supply, power supply shrapnel type aircraft head, C-mount, Recommend; -T: line sequence definition 2, aircraft head, CS-mount, planned shutdown; -T-C: line sequence definition 2, aircraft head, C-mount, planned shutdown; -TV-C: line sequence definition 3, 12V power supply, aircraft head, C-mount, planned shutdown
Connector pinout - T1V-C (Port A)	1 Red PWR+ (camera power input positive); 2 White GPI1+/TRIG_IN+ (default trigger input); 3 Brown GPI2/GPO2 (non-isolated bidirectional IO); 4 Green GPO1+/STRB_OUT+ (default flash output); 5 Yellow GPO1-/STRB-OUT-/TRIG_IN- (GPIO common negative terminal); 6 Black PWRGND
Connector pinout - T, -T-C	1 Green GPO1+/STRB_OUT+ (default flash output); 2 Yellow GPO1-/STRB_OUT- (default flash output); 3 White GPI1+/TRIG_IN+ (default trigger input); 4 Brown GPI1-/TRIG_IN- (default trigger input); 5 Red GPO2+; 6 Black GPO2

Ordering code: MV-SU<code><G = global / R = rolling><C/M> (C = color, M = mono)

Models

More values per model (Sensor type, Sensor model, Colour, Resolution@frame rate, Pixel size (detail), Pixel bit depth, Sensitivity, Acquisition mode, Maximum gain (multiple), Exposure time range (ms), Frame buffer, User-defined data area...) are on each product page.

Dimensions

