The system uses an industrial camera as its core. Powered by proprietary image processing and deep learning technology, it is capable of real-time accurate positioning. In conjunction with a software control system, its different control units can automatically singulate, gap and align parcels, so that disorderly parcels are in a singular row according to the set spacing and go to automated sorters in order.

2D Bulk Flow Singulator

Separation and gapping
Intelligent sequencing

≥15FPS
Frame rate
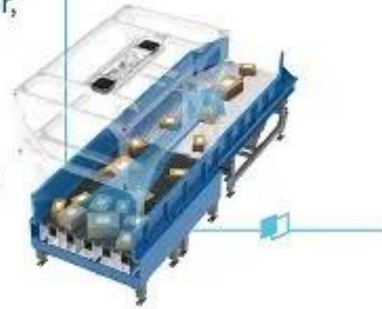
≥99%
Accuracy rate
of identification

≥10,000pcs/h
Identification
efficiency(Small parcel)

Built-in intelligent ISP algorithm

Accurately identify parcel shape, color, position and other information

Support low-power high frame rate preview and high-resolution capture
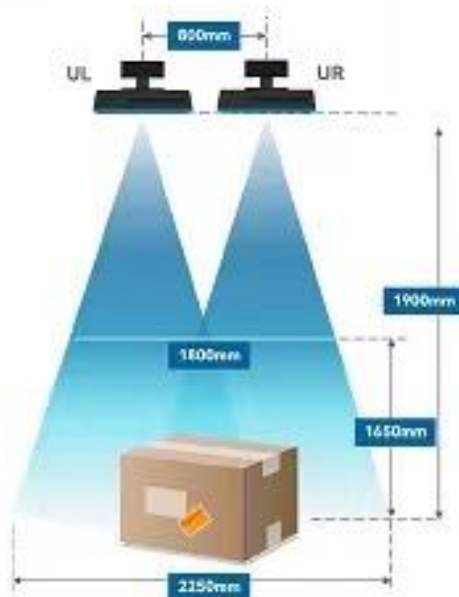
Accelerated handling

Stable but progressing

1600×1200
Resolution

10bits
Pixel bit depth

32M Bytes
Frame buffer

Area Scan Industrial Camera
WZ-GE200GM/C

Imaging solution
Camera: WZ-GE200GM/C

Imaging parameters
Lens: 6mm

Solution performance
Upper FOV: 1800mm
Lower FOV: 2250mm

Installation parameters
Installation height: 1900 mm

UL   800mm   UR

1900mm

1800mm

1650mm

2250mm

Technical parameters	WZ-GE200GM/C
Camera type	Mono / Color available
Resolution	1600×1200
Pixel bit depth	10bits
Acquisition mode	Continuous trigger / soft trigger / hard trigger
GPIO	1 optically isolated input and 1 optically isolated output
Maximum gain	8
Exposure time	0.016~91
Frame buffer	32M Bytes
User-defined data area	2K Bytes
Lens mount	C interface (default), C or CS interface (optional), also available with M12 lens adapter accessories
Data interface	RJ45 Gigabit Ethernet, downward compatible with 100M network system
Power	<2.5W
Power supply	DC12V (optional POE)
Working temperature	0~50℃
Storage temperature	-30~60℃
Working humidity	20%~80% (non-condensing)
Storage humidity	20%~95% (non-condensing)