Vision Sensor

VDS20 Series



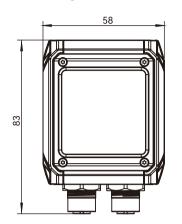


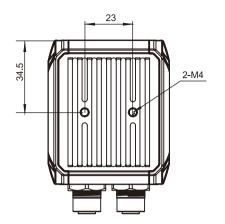
NEW!

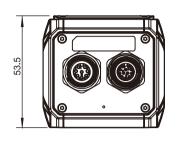
		Operating Principle	Intelligent Vision Sensor				
		Shell Style	Square				
Fiber Optic		Detection Range	100~2000mm				
Slot Sensors		Field of View	-				
Photoelectric		Focal Length	8mm	12mm			
Laser		Focus Adjustment Method		Mechanical Focus			
Proximity		Resolution	30fps				
Displacement		Light Source		2600*1952	mat		
	Bas	Color/Black and White	Standard white light / High brightness white light				
Magnetic	Basic Features	Shutter	Color				
Contact	ature	Indicator Light	Global				
Area Ultrasonic	o,		Integrated AI algorithm, by learning a small number of samples, can comp applications, support one-click adjustment of parameters, automatically comp red/white light source optional, 4 groups of independently controlled light:		mat		
Allmage		Algorithms / Tools	Positioning: Position correction				
Code Readers			Presence: Pattern, spots, edges, circles				
Vibration			Counting: pattern counting, spot counting, edge counting				
Temperature			Detection: width detection, spot detection, color area				
RFID			Identification: character recognition, code reading, classification				
Safety door lock				Logic: logical reasoning, numerical ranking			
Pressure Switch		Image Sensor Size	1 green light spot indicates the center areaof scanning position;5 status LEDs and				
Communication		Target Surface Size	2.2μm x 2.2μm				
Accessories		Maximum Reading Speed		1/2.5"			
	_	Exposure Time	20µs~100ms				
Guidance	Electr	Gain					
	Electrical data	Operating Voltage		24V DC			
Vision Camera	lata	Power Consumption		15W			
AKUSENSE AIVS Vision Sensors		Output Type	Two optically isolate	ed inputs,supporting NPN,PNP types; three non-isolated	Ιοι		
		Communication Protocol					
		Communication Interface		RS232, Ethernet			
		Operating Temperature	0~45°C				
	COL		_20~70°C				
	conditions	Humidity	5%~95%RH				
	conditions	Protection Level	IP67				
	<u>u</u>	Connection Method	Cable Connection				
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	Focal Length	8mm	12mm	16mm			
	Focus Adjustment Method	Mechanical Focus					
	Resolution	30fps					
Basic Features	Light Source	2600*1952					
	Color/Black and White	Standard white light / High brightness white light					
	Shutter	Color					
	Indicator Light	Global					
		Integrated Al algorithm, by learning a small number of samples, can complete ORC and classification and other visual inspection applications, support one—click adjustment of parameters, automatically complete focus, exposure, automatic adjustment work. Provides red/white light source optional, 4 groups of independently controlled light sources, 16 fill light solutions, and polarized light source					
		Positioning: Position correction					
		Presence: Pattern, spots, edges, circles					
	Algorithms / Tools	Counting: pattern counting, spot counting, edge counting					
		Detection: width detection, spot detection, color area					
		Identification: character recognition, code reading, classification					
		Logic: logical reasoning, numerical ranking					
Electrical data	Image Sensor Size	1 green light spot indicates the center areaof scanning position;5 status LEDs and buzzer					
	Target Surface Size	2.2μm x 2.2μm					
	Maximum Reading Speed	1/2.5"					
	Exposure Time	20μs~100ms					
	Gain	-					
	Operating Voltage	24V DC					
	Power Consumption	15W					
	Output Type	Two optically isolated inputs, supporting NPN, PNP types; three non-isolated outputs					
	Communication Protocol	TCP Server, TCP Client, ModBus TCP, ModBus RTU, Profinet, Ethernet/IP, MELSEC/SLMP, Serial					
	Communication Interface	RS232, Ethernet					
	Operating Temperature	0~45℃					
Env	Storage Temperature	-20~70°C					
Environmental conditions	Humidity	5%~95%RH					
ental s	Protection Level	IP67					
	Connection Method	Cable Connection					
Mechanical data	Dimensions	58*53.5*69mm(Standard Light source), 75.1*65.5*91.6mm(High Brightness Light source)					
	Weight	220g(Standard Light source), 380g(High Brightness Light source)					
	Accessories	M12–12PIN–3M(3M high flexibility) dedicated network cable; M12–8PIN–3M(3M high flexibility) dedicated data cable; L-shaped mounting bracket, screwdriver					
		M12–8PIN–5M(5M high flexibility) dedicated network cable; M12–8PIN–10M(10M high flexibility) dedicated network cable					
	Optional	M12–12PIN–5M(5M high flexibility) dedicated data cable; M12–12PIN–10M(10M high flexibility) dedicated data cable					
	Non-polarized standard white light	VDS20C-X508WP	VDS20C-X512WP	VDS20C-X516WP			
Mo	Non-polarized standard white light Semi-polarized standard white light	VDS20C-X508WP VDS20C-X508WD	VDS20C-X512WP VDS20C-X512WD	VDS20C-X516WP VDS20C-X516WD			
Model	standard white light Semi-polarized						

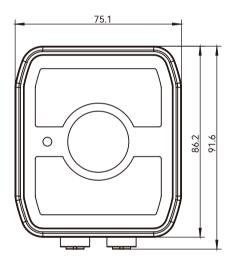
Standard Light source

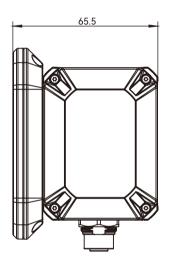


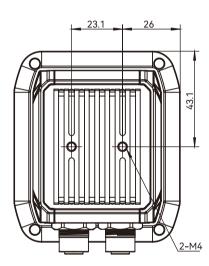




High Brightness Light source







Fiber Optic

Al image recognition

Slot Sensors
Photoelectric

Laser

Proximity

Displacement

Magnetic

Contact

Ultrasonic

Code Readers

Vibration

Temperature

RFID

Safety door lock

Pressure Switch

Communication

Accessories

Guidance

Guidance

Vision Camera

AKUSENSE AIVS

Vision Sensors