



TELECENTRIC LENSES

VT-BTLP SERIES



MAIN FEATURES

- ◆ **High telecentricity** for thick object imaging.
- ◆ **Nearly zero distortion** for accurate measurements.
- ◆ **Excellent resolution** for high resolution cameras.
- ◆ **Simple and robust design** for industrial environments.

ABOUT US

Hangzhou Vision Datum Technology Co.,Ltd. is China top leading professional machine vision products manufacturer and supplier, who have been specializing in design, development and producing machine vision products, software and systems.

With advanced technology and creative power of image acquisition and processing, Vision Datum major products have included industrial camera, scientific standard camera, industrial FA lens, telecentric lens, machine vision lights and image processing software. All products comply with international quality standards and we have more than 20 years industry experience in the fields of machine vision image acquisition and processing, optical imaging and automation.

Vision Datum provides free of charge consultation for imaging solution. With excellent pre-sales, quality control and after-sales service team, we are able to respond rapidly in 24 hours and ensure to create best value for customers. Vision Datum will innovate constantly and shall make more brilliant achievements together with our customers in the era of Industry 4.0.



VT-BTLP SERIES



PRODUCT FEATURE

1. Side testing for 1-10mm small parts;
2. All visual sides have the same optical magnification;
3. Various three-dimensional co-construction of multi-faceted imaging at one time greatly improve detection efficiency and reduce equipment costs;
4. Perfectly compatible with all industrial cameras on the market.

Model		VT-BTLP-V1-118	VT-BTLP-V1-120	VT-BTLP-V1-230
Sensor Size		1/1.8"	1/2"	2/3"
Optical Specifications	Wavelength range (nm)	400~680	400~600	400~600
	Working Distance (mm)	19-23	1.5-5	1.5-5
	MTF30	>190 lp/mm	>200 lp/mm	>135 lp/mm
	Best Aperture (F/#)	4.6	4.2	6.5
Mechanical Specifications	Diameter (mm)	123	123	123
	Length (mm)	239.4	238.3	256
	Mount	C	C	C
Electrical specs	Illuminator voltage (V.D.C)	24	24	24
	Illuminator Power (W)	18	18	18
Max object inspection height (mm)	M1.0	1.5	1.5	1.5
	M1.2	1.75	1.75	1.75
	M1.7	1.8	1.8	1.8
	M2.0	2.4	2.4	2.4
	M2.5	2.7	2.7	2.7
	MΦ3	4	4	4
	MΦ4	4.9	4.9	4.9
	MΦ5	5	5	5
	MΦ6	6	6	6
	MΦ8	5	5	5
MΦ10	4.5	4.5	4.5	

* Special note: The imaging device must be used with a telecentric lens on the object side, with its own lighting system, and the lens can be selected according to different inspection objects

Vision And More Available

让工业更智能，让视觉更简单！



SWIR Camera
Industrial Camera



Macro Lens
Industrial Lens



Microscope



System Solution
No-programming Software



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