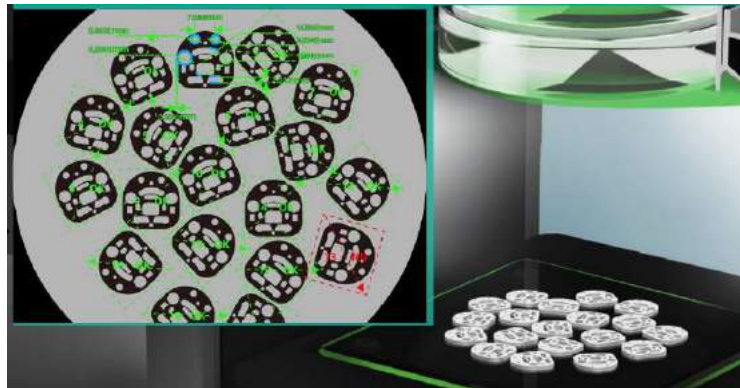


## Industrial Smart One-Touch VMS









Optike - Industrial Smart One-Touch VMS  
Variant Details

# Optike - Industrial Smart One-Touch VMS

## Variant Details

### Technical parameters

Product model								
Measurement range (mm)	φ100x80	Wide field: φ150x110 High precision: 50x35	Wide field:200x200 Small field: 130x130	Wide field:300x210 Small field: 200x135	Wide field:194x135 Small field: 76x72	Wide field:440x300 Small field: 145x145		
Measurement accuracy (μm)	±3* <sup>①</sup>	Wide field:±5* <sup>②</sup> Small field: ±2* <sup>③</sup>	Not Move	Move	Not Move	Move	Not Move	Move
			Wide field:±3* <sup>①</sup> Small field: ±1* <sup>④</sup>	Wide field:±(5+0.02L)* <sup>⑤</sup> Small field: ±(3+0.02L)* <sup>⑥</sup>	Wide field:±5* <sup>②</sup> Small field: ±2* <sup>③</sup>	Wide field:±(7+0.02L)* <sup>⑦</sup> Small field: ±(4+0.02L)* <sup>⑧</sup>	Wide field:±2* <sup>⑨</sup> Small field: ±0.7* <sup>⑩</sup>	Wide field:±(4+0.02L)* <sup>⑪</sup> Small field: ±(2.7+0.02L)* <sup>⑫</sup>
Repetition accuracy (μm)	±1	Wide field:±1 Small field: ±0.5	Not Move	Move	Not Move	Move	Not Move	Move
			Wide field:±1 Small field: ±0.5	Wide field:±2 Small field: ±1.5	Wide field:±1 Small field: ±0.5	Wide field:±2 Small field: ±1.5	Wide field:±1 Small field: ±0.25	Wide field:±2 Small field: ±1.25
Product dimension (mm)	560x234x685	638x336x885	543x440x766	669x510x883	669x510x853	977x803x1640		
Optical lens	Low-distortion lens 100mm Single-field telecentric	Dual-field dual-telecentric, lowdistortion lens (wide filed:φ150mm, small field:50mm)	Dual-field dual-telecentric,lowdistortion lens (wide filed : 100mm, small field : 25mm)	Dual-field dual-telecentric,lowdistortion lens (wide filed : 150mm, small field : 50mm)	Dual-field telecentric,lowdistortion lens	Dual-field telecentric,lowdistortion lens		
Stroke (mm)	Z axis:75		X axis: 120 Y axis: 140 Z axis: 75	X axis: 150 Y axis: 100 Z axis: 75	X axis: 150 Y axis: 100 Z axis: 75* <sup>⑬</sup>	X axis: 350 Y axis: 250 Z axis: 200		
Dimension of glass platform (mm)	150x150	200x200	249x229		318x268	520x420		
Weight of platform (kg)	Approx.45	Approx.60	Approx.50		Approx.68	Approx.800		
Load-Bearing(KG)	5							
Illumination system	Telecentric light: Telecentric Illuminator , programcontrolled and adjustable Ring light:Quadripartition circular high light white LED,360° low-angle green LED,program-controlled and adjustable Coaxial light source(optional):Large area high homogeneity white LED				Transmitted light: Telecentric Illuminator Surface light: 4-zone multi-angle lighting (electrical) Surface light: Circular(directional) lighting (electrical) Surface light:Coaxial light		Transmission light: Telecentric Illuminator Green light Surface light: High angle ring white lighting Surface light:4-zone low and medium angle ring white lighting (electric) Surface light: Green Circular (directional) lighting (electric) Surface light(optional):Coaxial White light	
Measurement time	<2s							
Measurement data	2D measurement							
Output data	With the function of report output and statistics							
Placement of work piece	Allow free placement of single or multiple work pieces, and realize one-key measurement							
Power requirement	220V~, 50Hz, 600W					220V~, 50Hz, 1200W		
Computer configuration	I3-8100 Quad core, 8G memory 1T mechanical hard disk	I5-4670 Quad core, 8G memory, 128G SSD+1T mechanical hard disk	CPU: I5-7500 , 32G memory, 256G SSD+1T mechanical hard disk	I5-4670 Quad core, 8G memory, 128G SSD+1T mechanical hard disk	CPU: I5-6500, 32G memory, 128G SSD+1T mechanical hard disk	CPU: I7-6700, 64G memory, 480G SSD+1T mechanical hard disk		
Environmental requirement	Temperature: 20°C±2°C,relative humidity: 30%-80%,vibration: <0.002g,less than 15Hz							

#### [Remark]

\*The optimum temperature is 20°C±1°C

\*<sup>①</sup>Within φ80 X 64mm, based on focal position and environment temp. at +20±1°C

\*<sup>②</sup>Within φ120 X 88mm, based on focal position and environment temp. at +20±1°C

\*<sup>③</sup>Within φ40 X 28mm, based on focal position and environment temp. at +20±1°C

\*<sup>④</sup>Within φ20 X 16mm, based on focal position and environment temp. at +20±1°C

\*<sup>⑤</sup>Within 180 X 180mm, based on focal position, environment temp. at+ 20±1°C and coordinate platform less than 2kg,L refers to the amount of movement (mm) of coordinate platform

\*<sup>⑥</sup>Within 117 X 117mm, based on focal position, environment temp. at+ 20±1°C and coordinate platform less than 2kg,L refers to the amount of movement (mm) of coordinate platform

\*<sup>⑦</sup>Within 270 X 189mm(4 corners R60), environment temp. at+ 20±1°C and coordinate platform less than 2kg,L refers to the amount of movement (mm) of coordinate platform

\*<sup>⑧</sup>Within 180 X 121mm, based on focal position, environment temp. at+ 20±1°C and coordinate platform less than 2kg,L refers to the amount of movement (mm) of coordinate platform

\*<sup>⑨</sup>Within 35 X 28mm, based on focal position, environment temp. at+20±1°C

\*<sup>⑩</sup>Within 10 X 6mm, based on focal position and environment temp. at+20±1°C

\*<sup>⑪</sup>Within 174 X 121mm, based on focal position, environment temp. at+20±1°C and coordinate platform less than 2kg,L refers to the amount of movement (mm) of coordinate platform

\*<sup>⑫</sup>Within 68 X 65mm,, based on focal position, environment temp. at+20±1°C and coordinate platform less than 2kg,L refers to the amount of movement (mm) of coordinate platform

\*<sup>⑬</sup>The Z axis movement distance is 75mm while ring light not in use and 45mm while use ring light.

\*<sup>⑭</sup>Within φ73 X 49mm, based on focal position and environment temp. at +20±1°C

\*<sup>⑮</sup>Within φ16 X 12mm, based on focal position and environment temp. at +20±1°C

\*<sup>⑯</sup>Within 396 X 270mm, based on focal position, environment temp. at+ 20±1°C and coordinate platform less than 2kg,L refers to the amount of movement (mm) of coordinate platform

\*<sup>⑰</sup>Within 131 X 131mm, based on focal position, environment temp. at+ 20±1°C and coordinate platform less than 2kg,L refers to the amount of movement (mm) of coordinate platform

Option:CAD import function  
Data transmission software