




VL-350  
3D Scanner CMM Controller



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

 This model has been discontinued.  
Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-888-539-3623

Recommended Replaceable Products: [3D Scanner CMM Controller - VL-700](#)

Specifications

Model		VL-350
Type		Controller
Optical transmitter system		Offset transmission-type projector module
Measurement range		Low magnification: ø300 mm × H 200 mm $\phi 11.81" \times H 7.87"$ High magnification: ø70 mm × H 50 mm $\phi 2.76" \times H 1.97"$
Light sources	Observation light source	LEDs in 3 colors (red, green, blue)
Optical receiver system		Low/high magnification offset dual optical module
Light sources	Measurement light source	Blue LED
Repeatability ( $\sigma$ )		2 $\mu\text{m}$ 0.000079**1
Measurement accuracy		$\pm 10 \mu\text{m}$ $\pm 0.0004$ **2
Image sensor		Type 1, 4-megapixel monochrome CMOS image sensor
Display resolution		0.1 $\mu\text{m}$ *3
Zoom		Digital - 0.1x to 8x
Display size		Video: 2048 × 2048 pixels; Still images: 2048 × 2048 pixels
Stage	Rotation mechanism	360° (infinite rotation)
	Tilt mechanism	Up to 45°
	Load capacity	10 kg
Control PC		Dedicated PC specified by KEYENCE (OS: Windows® 10)*4
Power supply	Power voltage	100 to 240 VAC $\pm 10\%$ , 50/60 Hz
	Power consumption	200 VA
Ambient temperature range		+15 to +30°C +59 to + 86°F
Ambient humidity range		35 to 80% RH (assuming no condensation)
Weight		3.8 kg

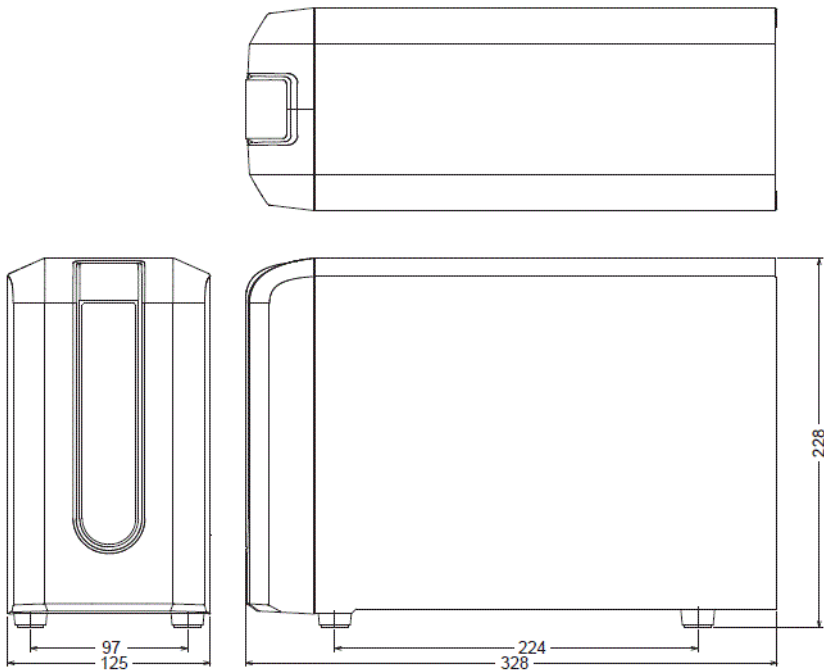
\*1 Value when measurement is performed using the measurement mode specified by KEYENCE using the standard gauge specified by KEYENCE and at an operating ambient temperature of 23°C  $\pm 1^\circ\text{C}$  +73.4°F  $\pm 1.8^\circ\text{F}$   
\*2 In reference to JIS B 7440-8, Value when measurement is performed using the measurement mode specified by KEYENCE using the standard gauge specified by KEYENCE and at an operating ambient temperature of 23°C  $\pm 1^\circ\text{C}$  +73.4°F  $\pm 1.8^\circ\text{F}$   
\*3 Common for X, Y and Z axes  
\*4 Windows® 10 Professional

Dimensions

\* Download CAD file or product manual for larger image/text and more detail.

Controller

VL-350



Unit : mm