

3D Camera Head Specifications



Model		CVS-13010C	CVS-13015C	CVS-13030C	CVS-13030CR	CVS-20025C	CVS-G2520	
Installation state		Diffuse reflection	Diffuse reflection	Diffuse reflection	Diffuse reflection	Diffuse reflection	Diffuse reflection	
Measurement center distance(W.D.) (mm)		100	100	300	300	195	60	
Measurement range	Measurement depth (mm)	±20 (F.S.=40)	±10 (F.S.=20)	±20 (F.S.=40)	±20 (F.S.=40)	±20	±12.5	
	Measurement value (mm)	56-73	41-47	62-68	62-68	112-127	25-32.5	
Accuracy	Distance resolution (3σ accuracy) (μm)	23	15	24	24	14	1.3	
	Width resolution (μm)	Approx.51	Approx.35	Approx.51	Approx.51	Approx.60	Approx.15	
Sampling period (Image range height) (fps)		572(±7)	376(±7)	572(±7)	572(±7)	466(±7)	1800(±9)	
Inspection speed(0.3mm pitch) (mm/sec)		170(±7)	112(±7)	170(±7)	170(±7)	90(±7)	540(±9)	
Measuring laser		Red semiconductor laser					Blue semiconductor laser	
Light source	Wave length (nm)	660 (Visible light)					405 (Visible light)	
	Laser class(IEC60825-1,FDA(CDRH) Part 1040.10)	CLASS 2	CLASS 2	CLASS 2	CLASS 3R	CLASS 2		
Line shape(Standard distance)(H×W) (mm)		0.1×90					0.1×30	
Teaching laser		Red semiconductor laser						
Light source	Wavelength (nm)	635 (Visible light)						
	Laser class	CLASS 1 (IEC60825-1,FDA(CDRH)Part 1040.10)						
Line shape(Standard distance) (mm)		Φ0.2						
Environmental resistance	Storage temperature (°C)	0~+80					-30~+70	
	Storage humidity (%RH)	20~80 (No condensation)						
	Operating temperature (°C)	0~+50					0~+40	
Power consumption (W)		3 (PoE)					9(+48VDC)	
Size(H×W×D) (mm)		131×165×65		134×287×65		160×260×50	80×110×46	
Material		Aluminum						
Weight(kg)		1.1	1.1	1.5		2	0.65	