

# 3D Camera Head Specifications



Model		CVS-20010	CVS-13010C	CVS-13015C	CVS-13030C
Installation state		Diffuse reflection	Diffuse reflection	Diffuse reflection	Diffuse reflection
Measurement center distance(W.D.) (mm)		100	100	100	300
Measurement range	Measurement depth (mm)	±20 (F.S.=40)	±20 (F.S.=40)	±10 (F.S.=20)	±20 (F.S.=40)
	Measurement value (mm)	52-67	56-73	41-47	62-68
Accuracy	Distance resolution (3σ accuracy) (μm)	30	23	15	24
	Width resolution (μm)	Approx.60	Approx.51	Approx.35	Approx.51
Sampling period (Image range height) (fps)		459(±7)	572(±7)	376(±7)	572(±7)
Inspection speed(0.3mm pitch) (mm/sec)		137(±7)	170(±7)	112(±7)	170(±7)
Measuring laser		Red semiconductor laser			
Light source	Wave length (nm)	660 (Visible light)			
	Laser class(IEC60825-1,FDA(CDRH) Part 1040.10)	CLASS 2	CLASS 2	CLASS 2	CLASS 2
Line shape(Standard distance)(H×W) (mm)		0.1×90			
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			
	Storage humidity (%RH)	20~80 (No condensation)			
	Operating temperature (°C)	0~+50			
Power consumption (W)		3 (PoE)			
Size(H×W×D) (mm)		131×165×65			134×287×65
Material		Aluminum			
Weight(kg)		1	1.1	1.1	1.5