

COMET[®]5 Sensor Series - Technical Data

	COMET 5 1.4 M	COMET 5 2 M
Camera Resolution	1360 × 1024	1600 × 1200
Measuring Volume in mm ³		
50	65 × 50 × 50	-
100	100 × 75 × 60	85 × 65 × 60
200	210 × 160 × 140	180 × 135 × 140
400	480 × 360 × 250	400 × 300 × 250
800	900 × 660 × 500	800 × 600 × 500
3D Point Distance in µm		
50 / 100 / 200 / 400 / 800	40 / 75 / 150 / 350 / 650	- / 55 / 115 / 240 / 500
Measuring Time in Seconds HighSpeed / High Quality	2.0 / 3.5	1.5 / 2.5
PC	1 × Intel Core2Duo, 4 GB	1 × Intel Core2Duo, 8 GB
Sensor Positioning	tripod or sensor stand with manual turn and tilt axis, robot	tripod or sensor stand with manual turn and tilt axis, robot
Automated Object Positioning	rotation table, robot	rotation table, robot
	COMET 5 4 M	NEW: COMET 5 11 M
Camera Resolution	2048 × 2048	4008 × 2672
Measuring Volume in mm ³		
50	55 × 55 × 50	Measuring Volume 150 in mm ³ : 140 × 95 × 70
100	80 × 80 × 60	Measuring Volume 350 in mm ³ : 330 × 220 × 200
200	190 × 190 × 140	Measuring Volume 700 in mm ³ : 700 × 460 × 400
400	380 × 380 × 250	
800	760 × 760 × 500	
3D Point Distance in µm		3D Point Distance
50 / 100 / 200 / 400 / 800	25 / 40 / 95 / 190 / 380	150: 35 µm / 350: 85 µm / 700: 180 µm
Measuring Time in Seconds HighSpeed / High Quality	2.5 / 5.0	5.0 / 10.0
PC	HighEnd Workstation; 2 × Intel XEON, 16 GB	HighEnd Workstation; 2 × Intel XEON, 16 GB
Sensor Positioning	tripod or sensor stand with motorized turn and tilt axis, robot	tripod or sensor stand with motorized turn and tilt axis, robot
Automated Object Positioning	rotation table, robot	rotation table, robot

COMET5 with its exceptionally innovative sensor concept offers high flexibility and precision for demanding measuring applications. The modular design allows for quick and easy adaptation of the system to the measurement volume required by the application. In combination with camera resolutions from 1.4 up to 11 megapixel, COMET5 allows an individual configuration for customer-specific measuring tasks.