STEINBICHLER

COMET®6 8M / 16M

INNOVATIVE HIGH-END SENSORS FOR EFFICIENT AND HIGH PRECISION 3D DIGITIZING

High-End technology for your demanding digitizing applications: Do your projects require maximum measurement speed or highest resolution for measuring detailed/complex-shaped parts? The COMET 6 sensors are the ideal choice, offering uncompromising flexibility and data quality.

HIGH LIGHT POWER AND INTELLIGENT 3D ILC TECHNOLOGY

COMET 6 features an extremely powerful LED and innovative projection optics. The adaptive projection technology (3D ILC - Intelligent Light Control) locally adapts the light quantity projected onto the object surface; undesired effects such as glare are therefore minimized.

COMET 6 8M: THE NEW SENSOR FOR ULTIMATE MEASUREMENT SPEED

The new high-speed fringe projection sensor COMET 6 8M excites with a stunningly short measurement time which is even in high resolution mode less than one second. The outstandingly powerful projection module sets new standards with maximum efficiency for the acquisition of 3D data.

COMET 6 16M: HIGH RESOLUTION FOR HIGHEST LEVEL OF DETAIL

COMET 6 16M with a high-resolution 16 Megapixel camera features a previously unprecedented precision for the digitization of objects with fine structures or for applications requiring the highest level of detail.

MODULAR DESIGN FOR EFFICIENCY AND FLEXIBILITY

The unique design of the STEINBICHLER COMET 6 sensors is based on a modular set-up with the proven single-camera-technology which allows a fast and easy adaptation of the field-of-view to the application at hand.

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INSPIRING INNOVATION

New: COMET6 8M High-Speed

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INNOVATIVE HIGH-END SENSORS FOR EFFICIENT AND HIGH PRECISION 3D DIGITIZING

TECHNICAL DATA	COMET 6 8M	COMET 6 16M
Camera resolution	3296 x 2472	4896 x 3264
Field-of-view 80 150 250 400 700 1200	Measurement volume 86 x 64 x 40 mm³ 142 x 106 x 80 mm³ 283 x 213 x 160 mm³ 386 x 289 x 200 mm³ 666 x 499 x 400 mm³ 1216 x 912 x 600 mm³	Measurement volume 81 x 54 x 40 mm³ 145 x 97 x 80 mm³ 274 x 193 x 160 mm³ 382 x 254 x 200 mm³ 656 x 437 x 400 mm³ 1235 x 823 x 600 mm³
Field-of-view 80 / 150 250 / 400 700 / 1200	3D point distance 26 µm / 43 µm 86 µm / 117 µm 202 µm / 369 µm	3D point distance 16 µm / 30 µm 56 µm / 78 µm 134 µm / 252 µm
Field-of-view 80 / 150 250 / 400 700 / 1200	Working distance 420 mm / 600 mm 600 mm / 785 mm 785 mm / 1400 mm	Working distance 420 mm / 600 mm 600 mm / 785 mm 785 mm / 1400 mm
Fastest measuring time in seconds	< 1 sec.	1,2 sec.
PC	64Bit HighEnd Workstation with Windows 7	64Bit HighEnd Workstation with Windows 7
Sensor positioning	Tripod or column stand with manual rotary/swivel axis	Tripod or column stand with manual rotary/swivel axis
Automatic object positioning	Rotary tables COMETrotary, COMETdual rotary	Rotary tables COMETrotary, COMETdual rotary
Available software	STEINBICHLER colin3D	STEINBICHLER colin3D

HIGH FLEXIBILITY AND EFFICIENCY FOR WIDE APPLICATION RANGE

Choose between higher resolution and maximum measurement speed at any time and achieve optimal performance for your specific usage with the COMET 6 sensors. The short working distance even with large measuring fields enables simple, time-saving handling, especially in confined spaces. Adapting the field-of-view only requires a few simple steps by exchanging the objective lens - within shortest time, the modular digitizing system is available for your next application.

Without the need of any elaborate hardware modifications or additional sensors, you can take full advantage of the exceptionally high flexibility provided by the COMET 6 high-end sensors.

USER-ORIENTED, ERGONOMIC SENSOR HANDLING

The compact sensor design and new handling system are designed to offer maximum user friendliness and ergonomic operation. The sensor can be adjusted particularly easy, precise and quick – enabling the user to operate the system intuitively and conveniently. Paired with the sensationally fast measurement time, COMET 6 offers maximum efficiency.

steinbichler INSPIRING INNOVATION

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