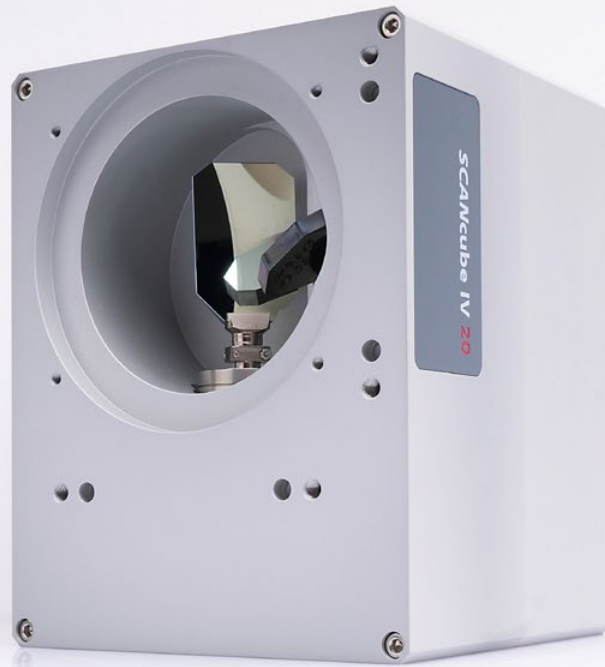


NEW

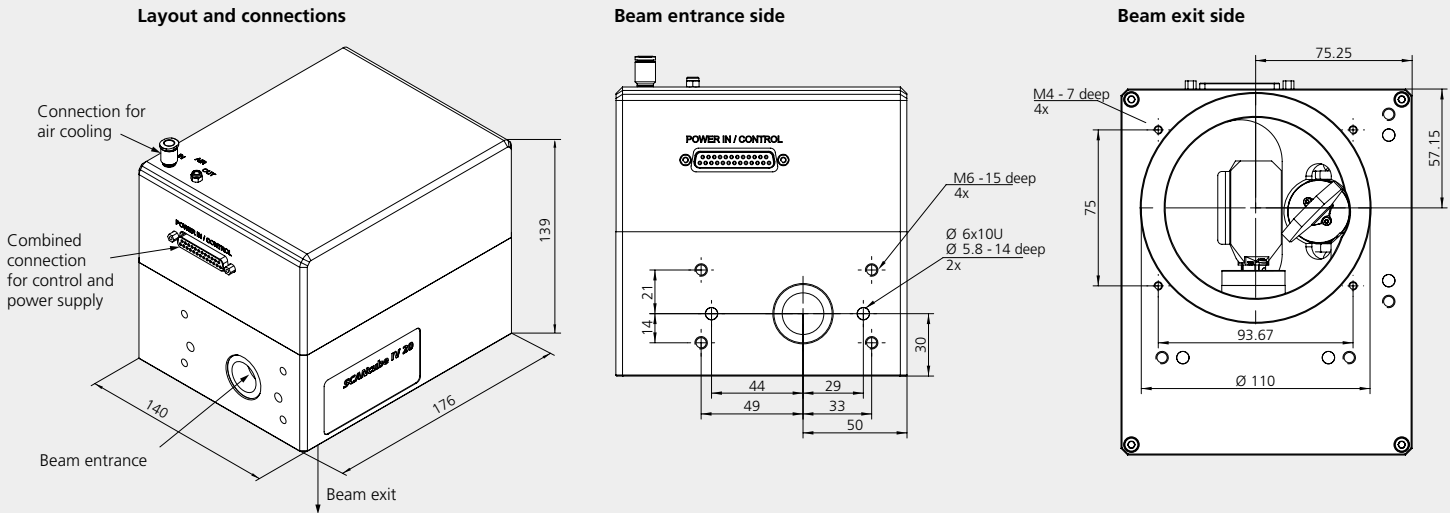


SCANcube IV 20: Compact and Versatile

The SCANcube series is now also available with 20 mm aperture

- Choice of different tunings
- Read back functionality for position, temperature, and status signals
- Automatic detection of the data transfer protocol

Technical Drawings



Preliminary Specifications

Dynamics

Tuning (Sharp edge and line scan tunings on request)	Vector
Tracking error [ms]	0.23
Maximum speed [rad/s]	60
[m/s] ⁽¹⁾	9.6

Precision & Stability

Repeatability (RMS) [μ rad]	< 2
Positioning resolution [bit] ⁽²⁾	20
Nonlinearity [mrad] ⁽³⁾	< 0.7

Further Specifications

Optical performance	
Typical scan angle [rad]	± 0.35
Gain error [mrad]	< 5
Zero offset [mrad]	< 5
Power requirements (RMS)	30 V DC, max. 2.6 A
Interfaces	SL2-100 & XY2-100
Weight [kg]	approx. 5.3

⁽¹⁾ with F-Theta objective, $f = 160$ mm
⁽²⁾ only together with SL2-100 interface
⁽³⁾ related to 0.77 rad
(all angles are in optical degrees)