

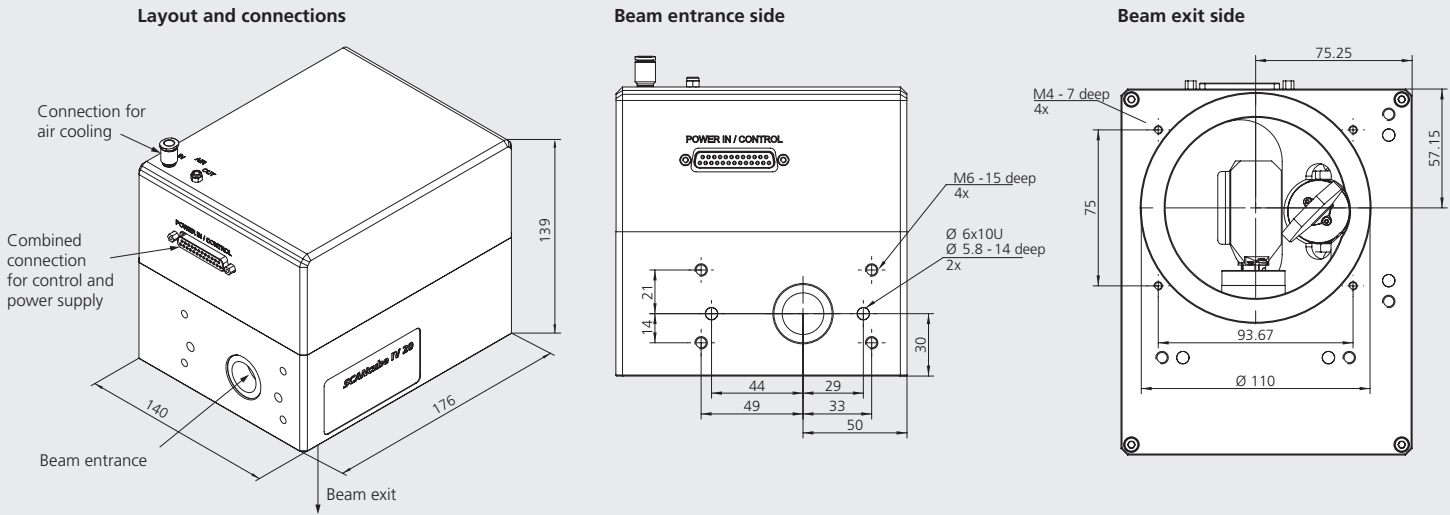


## SCANcube IV 20: Compact and Versatile

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

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

### Precision & Stability

<b>Repeatability</b> (RMS) [μrad]	< 2
<b>Positioning resolution</b> [bit] <sup>(2)</sup>	20
<b>Nonlinearity</b> [mrad] <sup>(3)</sup>	< 0.7

### Further Specifications

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

<sup>(1)</sup> with F-Theta objective, f = 160 mm  
<sup>(2)</sup> only together with SL2-100 interface  
<sup>(3)</sup> related to 0.77 rad  
(4) at constant ambient temperature and load  
(all angles are in optical degrees)