

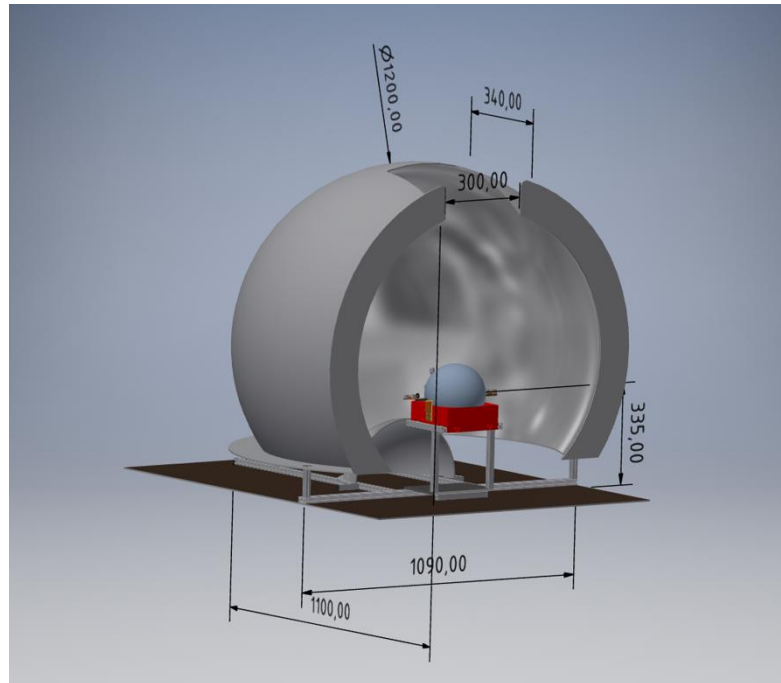
TECHNICAL SPECIFICATIONS

Version	Spherical mirror projection
Power input voltage	100-240 V AC
Power consumption	920 W (maximal)

Dome (carbon fibers) with aluminum stand

Length: ca. 113 cm
Width: ca. 120 cm
Height: ca. 106 cm

Weight: 18.5 kg



Projector

Resolution	1920 x 1200 WUXGA
Light output	5400 ANSI Lumen

Ball

Diameter	20 cm (for mice) or 30 cm (for young rats)
Weight	ca. 60 g (20 cm ball)
Material	Polystyrene

Lick sensor

Material (outer cover)	Polyvinyl chloride
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Ball Holder (without operant device)

200 mm (for mice)

Length	20 cm
Width	20 cm
Height	8 cm
Height with ball (without air flow)	21 cm
Weight	5.5 kg
Material	Aluminum

300 mm (for young rats)

Length	30.2 cm
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Width	30.2 cm
Height	12 cm
Height with ball (without air flow)	31 cm
Weight	19.8 kg
Material	Aluminum
Sound pressure level	48-52 dBA (top of the ball, 1 cm distance from the ball, air flow 20 l/min)
Flow meter	
Flow range	4-50 l/min
Pressure	6.9 bar (maximal)
X/Y motion sensor (tracking)	
Resolution	200-5700 dpi
Max. acceleration	30G
Max. speed	Up to 4.19 m/second
Peristaltic pump	
Typical flow rate	0.45 ml/min
Movable rack	
Width	59.5 cm
Depth	62 cm
Height	98.5 cm
Weight	ca. 40 kg
Power supply unit	
Weight	2 kg
Computer	
Weight	11.7 kg
Power consumption	600 W (maximal)
Delay of data transfer to external interface	1-5 ms
Interval of position reports of the animal	10 ms
Virtual Reality	
Measured input lag from ball movement to VR movement	35 ms

Electrical power supply and safety

Computer and power supply unit: All electrically conductive parts with 230V connection are connected with the protective bonding circuit of the electric connection by a safety plug (in accordance with protection class I to EN 61140).