

SyncBox	Technical specifications
SyncBox Main Unit	
Input voltage	5 V DC
Current consumption (via USB)	< 150 mA
Properties of the input signal	0.4 Vpp to 5 Vpp, hysteresis approx. 150 mV
Frequency of the input signal	Max. 30 MHz
Input impedance (on the scanner side)	50 Ω , BNC socket
Required input signal shape	Sine or square
Computer interface	USB 2.0
Length of the connecting cable	Max. 20 m
Suitability for use in the scanner room	No, but can be used in the control room
Dimensions	Approx. 132 mm x 70 mm x 30 mm (without connections)
Weight	Approx. 160 g
SyncBox Scanner Interface	
Power supply	Via SyncBox Main Unit
Input (on the scanner side)	50 Ω , BNC socket with 30cm BNC cable; available in both SyncBox Scanner Interface versions Optical Input for single optical fiber, connector AFBR-2624; available in SyncBox Scanner Interface Duo version only
Output	50 Ω , BNC socket
Galvanic isolation	Yes, dielectric strength > 4 kV
Length of the connecting cable	30 cm
Dimensions	Approx. 90 mm x 45 mm x 25 mm
Weight	Approx. 80 g
Miscellaneous	

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Suitable for use in MR scanner room	No
Medical device	No
CE marking	The Brain Products GmbH confirms the electromagnetic compatibility (EMC) of this product according to the Directive 2014/30/ EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility. The Brain Products GmbH confirms the RoHS compliance of this product according to Directive 2011/65/EU of the European Parliament and the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast published in the Official Journal of the European Union on 1 July 2011) as well as all its amendments up to and including the Commission delegated directive (EU) 2015/863 of 31 March 2015 (published in the Official Journal of the European Union on 4 June 2015).