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MR compatible camera -

No. MRCam-240705mg

Title of the project "More than cerebral cortex: 7T Anatomic-functional characterization at 7T of cortical, subcortical, and cerebellar structures involved in THE Network of Action observation (7T-ATHENA) "

CUP: D93C22000930002

High-speed camera

Pos	Description
1	<p>Digital MR compatible in-bore video camera "MRC-HiSpeed"</p> <ul style="list-style-type: none"> • b/w sensor, adjustable frame rates, e.g. 250 Hz with VGA resolution or 1076 Hz with 256x256 pixel resolution • global shutter • including all required cables • interface: GigE vision <p>for applications in the bore</p>

Pos	Description
2	Filter box for transition of power lines to camera (for 3T and 7T scanner) including power supply for camera
3	Fixed feed-through coupler with camera adapter cable and blanking cap
4	Additional set of cables (power supply, optical fibre cable, fibre converter) for second MR scanner
5	Additional costs for extended Ethernet cable, length: 25 m
6	Additional costs for extended power cable for camera, length: 17 m

Software

Pos	Description
7	GigE vision viewer software ("SphinxLib")
8	MRC Recorder – Video recording software <ul style="list-style-type: none"> • read-in, visualization, and recording of video signals • read-in and processing of TTL triggers via a digital I/O card • read-in of computer time • start and stop function for the recording of the videos by means of these TTL triggers or a user-defined recording time
9	I/O Option for "MRC Recorder": Hardware interface to external devices <ul style="list-style-type: none"> • "Digital I/O" software add-on • USB I/O box Advantech USB-475 1L with modifications
10	Additional USB I/O box Advantech USB-475 1L with modifications
11	MRC Motion Tracking for marker-based optical motion tracking <ul style="list-style-type: none"> • calibration board • marker samples

Mounting solutions (selection)

Pos	Description
12	Flexible camera holder based on an articulated arm with clamp, 2 joints, and rods