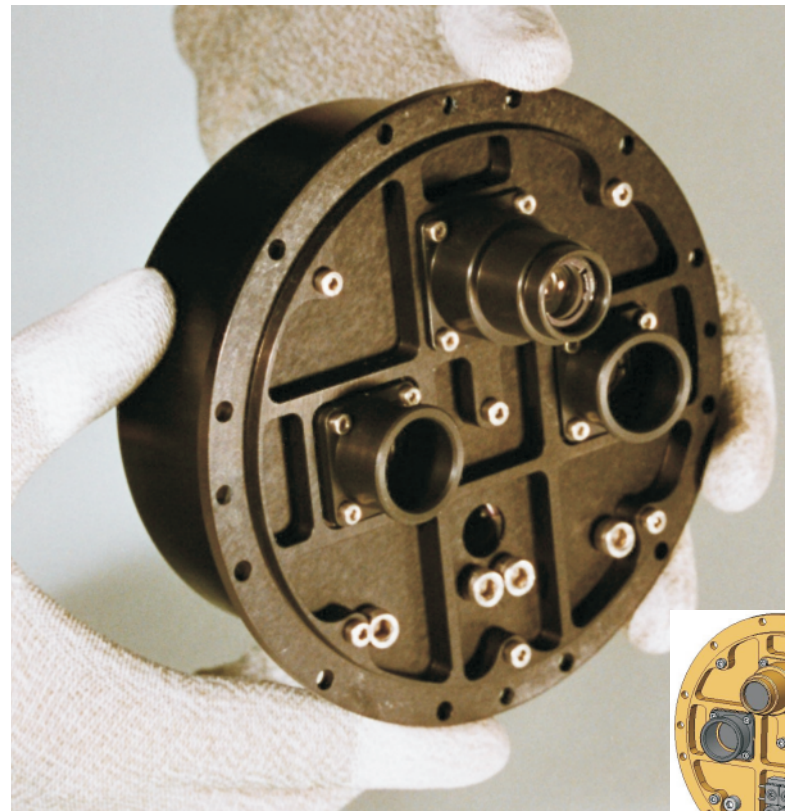


ROKVISS CAMERA

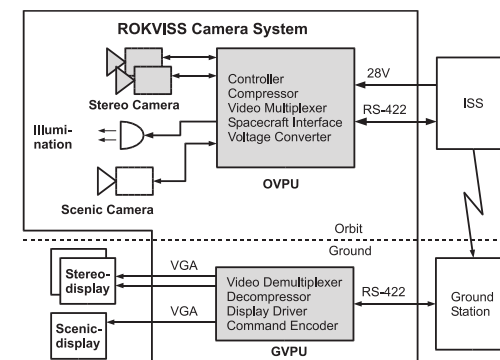
A Stereo Digital Camera for Robotics

- Digital Camera for the ROKVISS Robotic Arm on the International Space Station
- Stereo Imaging for Teleoperation of the Robotic Arm:
256 x 256, 2xZoom, 22°/43° FoV
Real-Time Digital Video (~130 ms Round Trip Time)
- Mono Imaging for Earth Observation:
1024 x 1024, 36° FoV
- Active Pixel Sensor Technology
- Built-in image compression (JPEG)
- Flight-qualified design
- Cooperation with DLR for Camera Design



- Performance Data:
Resolution 260 m (Earth Obs.)
0.4 mm @ 300 mm (Stereo)
8 bit grey scale
- Power: 3.7 W total
(including stereo compression)
- Mass:
Camera Head: 618 g (3 sensors)
E-Box : 622 g
(Multiplexer & Control)
- Size:
Camera Head: Ø122x52.6 mm
E-Box: 198x11x46 mm
- Status: FM developed for DLR in subcontract to EADS-Astrium

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