

THE EDUSCOPE RIG

By combining the Eduscope Rig, the STEM project and the Eduscope V3 Prototype the students at I.O.Me 001 are empowered in the development of digital microscopes for low-resource secondary (high) schools in Kenya.

The Eduscope Rig is an educational and design tool crucial to this STEM project. The Rig simplifies the intricacy of optics, digital imaging and microscopy via hands-on exploration creating both curiosity for and understanding of (digital) microscopy. Further in the series of workshops the Eduscope V3 Prototype is brought to the table. The V3 Prototype functions as a translation of the many insights gathered during this master thesis on the technical improvements of the Eduscope V2. With the introduction of the V3 Prototype the students are given the backbone of the envisioned Eduscope V3. The combination of the Eduscope Rig and the Eduscope V3 Prototype functions as design tool fostering Trial & Error and Independency, thereby boosting the design process of the Eduscope V3 and beyond.

