

# **Technical Specifications – Olympus SPINSR10**

## **Objectives:**

- 10X/0.4 Extended Apochromat (XAPO). Brightfield (BF) and Nomarski (DIC)
- 30X/1.05 silicone Super Apochromat (SAPO). Brightfield (BF) and Nomarski (DIC)
- 40X/1.25 silicone Super Apochromat (SAPO). Brightfield (BF) and Nomarski (DIC)
- 60X/1.3 silicone Super Apochromat (SAPO). Brightfield (BF) and Nomarski (DIC)
- 100x/1.45 oil Extended Apochromat (XAPO). Brightfield (BF) and Nomarski (DIC)

## **Microscope Fluorescence Filters:**

- DAPI (BP360-370 DM410 BA420-460) ([U-FUNA Olympus](#))
- GFP (BP470-495 DM505 BA510-550) ([U-FBNA Olympus](#))
- TRITC (AT538-552 AT565DC AT578-632) ([U-F39004 Olympus](#))
- Cy5 (625-655 T660LPxr 665-715) ([U-F49009 Olympus](#))

**Optics:** Brightfield, Nomarski and Fluorescence.

**Diode Lasers:** 405nm (50mW), 488nm DPSS (100mW), 561nm DPSS (100mW) and 640nm (100mW)

## **Confocal Fluorescence Filters:**

### **CAMERA 1:**

DAPI (422-472)

GFP (500-550)

TRITC (580-653)

Cy5 (665-705)

### **CAMERA 2:**

DAPI (422-472)

GFP (500-550)

**Spinning Disk Detectors:** 2 sCMOS Cameras [Prime 95B Photometrics](#)

**Scanner** [CSU-W1 Yokogawa](#): 50µm Disk

**Super Resolucion Module:** SoRa Disk + 3.2X Magnifying lens (Only for 60X and 100X Objectives)

***In vivo* System:** Temp and CO<sub>2</sub> ([CellVivo™](#)), and Hardware Focus ([TruFocus \(ZDC\)](#))

**Software:** CellSens v3.1