

## Ti2 wide-field imaging systems



**Motorisation** - Wide-field 1 and 2 use Nikon's new Ti2 inverted microscopes which are fully motorised for multi-dimensional imaging.

**PFS** - Both systems use Nikon's Ti2 microscope with the Perfect Focus System. This focal drift compensation mechanism allows users to maintain the desired focal plane for long-term live cell imaging.

### Wide-field 1

Microscope	Eclipse Ti-2 inverted microscope
Imaging System	Nikon DS-Qi2 sCMOS camera
Objectives	10x, 20x (ELWD) , 40x (ELWD) dry (60x and 100x oil available if required)
Contrast Techniques	DIC, Fluorescence and Phase Contrast
Fluorescence Observation	DAPI, GFP, Cy3, Cy5 (CFP, YFP, CFP/YFP FRET available on request)
Environment	Oko-Lab chamber with temperature and CO2 control

### Wide-field 2

Microscope	Eclipse Ti-2 inverted microscope
Imaging System	Nikon DS-Qi2 sCMOS and Nikon DS-Fi2 RGB

Objectives	4x, 10x, 20x (ELWD), 40x (ELWD) dry (60x and 100x oil available if required)
Contrast Techniques	DIC, Fluorescence and Phase Contrast
Fluorescence Observation	DAPI, GFP, Cy3, Cy5 (CFP, YFP, CFP/YFP FRET available on request)
Environment	Oko-Lab chamber with temperature and CO2 control