

Specifications

Leica SP8X DLS confocal/light sheet

STAND

Leica DMI 8CS DLS Inverted microscope with fully motorized objective nosepiece and fluorescence filter cube change and Digital Light Sheet option.

OBJECTIVES

- HC PL APO CS2 40x/1,3 oil
- HC PL APO CS2 63x/1,4 oil

EXCITATION

- 405nm UV laser 50mW
- White light Laser adjustable 470-670 nm, pulsed

DETECTION

- Spectral Confocal Module based on prism with high sensitivity multiband detection system.
- AOBS beamsplitters
- Two HyD gated detectors.
- One PMT SP detector
- One detection channel for transmitted light. (DIC)
- Maximum scanning resolution of 8192x 8192 pixels with a dynamic range of 12 bits per channel.
- Maximum scanning speed of 7 frames per second, 512X512.
- Scanfield max: 21,2 mm diagonal..

LIGHTSHEET

- Detection objectives: 25x, 10x,
- Illumination objective: 5x, 2.5x
- DFC9000 GTC DLS sCMOS camera (up to 70 fps, 2048 x 2048)

STAGE / INCUBATION

- Automated x,y,z stage. No incubation yet

SOFTWARE

- LAS X acquisition
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