

## FLUORESCENCE MODULE PAVONE

### TECHNICAL DETAILS:

#### GENERAL

**Standard microplates:** 6-384-wells

**Microplate capacity:** 2

**Other labware (optional):** microscope slides, petri dishes

**Temperature control:** RT to 50°C

**Stages:** autoswitching between wells, travel range 120x190mm@50nm

#### IMAGING

**Focusing:** motorized 17mm@5nm (1µm steps)

**Imaging modes:** Fluorescence, brightfield, phase contrast (DL, DLL)

**Imaging methods:** single color, multicolor, stitching, time lapse, Z-stacking, video, single images, synchronized with indentation

**Saved Images:** TIFF

**Movies:** AVI, TIFF

**Camera:** CMOS monochrome 2.4MPx, 1936x1216 sensor

**Light source:** high-power white light LED (400-725nm, 92CRI) and UV LED (365-375nm)

**Filter cube capacity:** 4 user-replaceable, 3 fluorescence sets plus brightfield channel

**Colors available:** 3 filter sets included e.g. DAPI, GFP, Texas Red

**Objective capacity (optional):** 1 onboard, 1 extra user-replaceable objective

**Available objectives (Nikon, optional):**

Air: CFI Plan Fluor DL **4XF**, NA 0.13, WD 16.5; CFI Plan Fluor DLL 10X, NA 0.3 WD 16; **20X**, NA 0.5, WD 2.1; **40X**, NA 0.7, WD 0.66

**Automated functions:** Autofocus (image based), autoexposure

**Software:** Integrated with Pavone, live image viewing