

# 140万像素徕卡DFC365FX高灵敏显微数码相机

产品名称	140万像素徕卡DFC365FX高灵敏显微数码相机
公司名称	大悦维佳（北京）科技有限公司
价格	11111.00/个
规格参数	最大有效像素:140万像素 芯片型号:索尼285AQ CCD芯片 应用:荧光成像、弱光成像
公司地址	北京市海淀区定慧里1506号
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## 产品详情

Leica DFC365FX Feature highlights :

Leica DFC365 FX offers excellent fluorescence documentation and fast time-lapse recordings under low light conditions. Based on the state-of-the-art Sony EXview HAD ICX285 sensor, this cooled camera is exceptionally well suited for a wide range of fluorescence applications from basic fluorescence imaging to demanding applications such as TIRF, FRET, and Structured Illumination.

Highly sensitive 1.4 megapixel Sony EXview HAD ICX285 sensor.

Regulated Peltier cooling for excellent signal-to-noise ratio.

Two imaging modes: standard and nIR mode with at least 1.5 times enhanced sensitivity in the near infrared range of the spectrum ( Quantum efficiency : 700-1000 nm ) .

Nir mode selection provides significant quantum efficiency enhancement and makes this camera ideal for observation CY7 CY5 fluorescent dye.

Three pixel clocking rates (1.6 MHz, 20 MHz, 40 MHz) for full control of image quality and acquisition speed.

groundbreaking acquisition speed with up to 21 fps in full frame and 122 fps in 8x8 binning mode.

high-speed live cell imaging --- unique in this class of fluorescence cameras is the flexibility of three pixel clocking rates to define readout speed of the sensor. In addition to the 1.6 MHz-mode, the Leica DFC365 FX offers 20 MHz and 40 MHz. The 40 MHz mode in particular is dedicated to fast, real-time time-lapse recording. In combination with an overlapping mode, where the signal is read out while the next image is acquired, the user can easily execute high-speed experiments. With a maximum of 21 frames per second in full frame mode (1392 x 1040) or over 76 fps with 4 x 4 binning, the Leica DFC365 FX is the high-performer in this class of scientific fluorescence CCD cameras.

ultimate cell protection --- Minimizing exposure times during time-lapse recordings is crucial to avoid photo-damaging the specimen. The sensor's high sensitivity and the careful selection of glass interfaces within the camera – in combination with nIR mode – are ideal requisites to protect cells and ensure optimal acquisition conditions during live cell imaging.