TECHNICAL DATA

Imaging system	✓ Built-in microscope 　5 magnification steps: 0.63, 1.25, 2.0, 3.2, 6.4 　Field of view: 12.0x9.0, 6.1x4.6, 3.9x2.9, 1.9x1.4, 1.2x0.9 mm 　Resolution: 25 µm, 13 µm, 8 µm, 5 µm, 2.0 µm per pixel ✓ CCD colour camera 1600 x 1200 pixels ❑ other resolutions (optional)
Illumination	✓ Bright light integrated LED ❙ UV by external light source (optional) ❑ colour light source 525 nm (optional)
Temperature control	✓ Built-in temperature control ✓ Range 4 to 40°C (at ambient temperature 20°C)
Sample container	✓ Plates in SBS format 　Sitting drop: e. g. MRC 96 well, Maxiplate 48 well, 　Hanging drop: Cellstar 　Others: Costar 3590, LCP plate ✓ Douglas Instruments VaporBatch Plate ❑ customized sample holder (optional)
Hardware	✓ Table top system 650 mm x 270 mm x 450 mm (LxWxH) ✓ Weight: approx. 20 kg ✓ Power consumption: 115 to 230 V, 100 W ✓ Mini PC attached to monitor (22 inch)
Software features	✓ XtalLight 200 software runs on Linux ✓ Fully automated plate scanning ✓ Integrated LIMS database for storage and retrieval of images ✓ Control of light source parameters ✓ Live display of camera image ✓ Autopilot for scheduling of your individual measurement program ❑ connection to external data base (optional) ❑ connection to plate handling system (optional)

XtalLight 210

Xtal Concepts

IN-PLATE IMAGING SYSTEM FOR BRIGHT LIGHT, INTRINSIC FLUORESCENCE AND TRACE FLUORESCENCE IMAGING

XtalLight 210 is a versatile imaging system, which allows the use as a microscope for investigation of individual droplets or an automated imaging schedule of plates; either a selection or all wells. With the convenient autopilot function even complex schedules with several actions or time dependent measurements are programmable. The plate is kept in an internal chamber at desired temperatures. The UV light source with its unique excitation spectrum prevents quenching of fluorescence where other imaging systems might fail.

FEATURES OF XtalLight 210

- FULLY AUTOMATED PLATE IMAGING SYSTEM
- TEMPERATURE CONTROLLED INTERNAL CHAMBER
- BUILT-IN LABORATORY MICROSCOPE
- MODULAR SET-UP FOR OPTIONAL FLUORESCENCE IMAGING
- INTERNAL DATA MANAGEMENT SYSTEM BASED ON A SQL DATA BASE
- FAST IMAGING (A FULL PLATE IN LESS THAN
- CONVENIENT EXPORT FUNCTIONS

LCP　LCP Salt Crystal
LCP　LCP Protein Crystal

In Plate　In Plate　Unstained sample (intrinsic fluorescence)
In Plate　In Plate　Carboxyrhodamine stained sample