

Polychromator System

VisiChrome

High Speed Polychromatic Illumination System

Continuously tunable Fluorescence Light Source

The VisiChrome Polychromatic Illumination System is a high speed multi-wavelength illumination system designed to deliver user selected monochromatic light to a microscope via liquid light guide coupler. It allows to change between two wavelength in less than 2 ms.

It uses continuously adjustable entrance and exit slits regulate the bandwidth or intensity.

This is a perfect unit for any time resolved ratio application such as Calcium or pH- qualifications.

The VisiChrome Polychromator can controlled by the Visitron Imaging Software. It supports the following operations:

- automatic scan of any wavelength range
- programming of automatic sequences with toggle of spectral ranges
- precise synchronization of high speed digital camera readout such as Frame-Transfer or Interline
- high speed wavelength change by control of fast and accurate D/A-control board



General Specifications:

- high power Xenon Lamp with „Ultra high point Intensity“
- high stabilized power supply
- Wavelength range about 300 nm up to about 650 nm, variable bandwidth from 1nm - 30 nm
- Wavelength selection by high speed Galvanometer Scanner of less then < 2 ms
- including high speed internal shutter
- Continuously tunable wavelength range