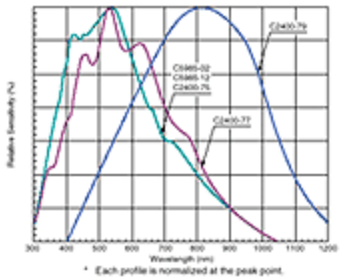
CCD Cameras: C2400-75, -77, -79



The **C2400-75** and **-77** are CCD cameras designed for bright field, phase contrast and differential interference contrast applications. They are well suited as detectors for image analysis since they are linear and have no distortion. The **C2400-75** is 1/2 inch CCD with Hyper HAD technology and the **C2400-77** is a 2/3-inch CCD for a larger field of view. Both are interline transfer cameras with 768 by 494 pixels.

The **C2400-79** is unique for near-infrared range observation with a spectral response from 400 nm to 1200 nm and peak sensitivity at 800 nm. This is an ideal camera for IR-DIC applications and works well in standard microscopy as well when a good IR blocking filter is inserted in the microscope. The detector in this camera is a frame transfer CCD with a 2/3-inch format.

These compact, lightweight cameras are perfect for observing dynamic specimens. The included controller unit offers built-in contrast enhancement, shading correction, and detail enhancement circuits to make images clearer and easier to view. A built-in RS-232C computer interface makes it possible to control the cameras as part of the new motorized microscope systems.

Features
Compact, lightweight design
Suitable for observation of rapid kinetic change with no lag and no distortion.
Image quality improvement and image processing functions built-in
Use in combination with the ARGUS-20 provides real-time image quality improvement and personal computer connectivity
Applications
Observation of cells and tissue using phase contrast and differential interference
Observation of dynamic samples
Micromanipulation monitoring
Densitometry (stained specimen, RI film, etc.)
Observation of phenomena deep inside tissue using near-infrared (IR-DIC) (C2400-79)
Macro imaging with optional lenses