

SEM video Chamberscope



The Deben video Chamberscope is available for all SEMs and can be fitted to any free flange on the SEM chamber or door. As a standard package the Chamberscope is available with a standalone power supply incorporating an illumination control and two camera lenses for either wide angle or zoom observation. Monitor is optionally available.

Internal illumination is from infra-red emitters with intensity controlled from the front panel of the power supply.

The camera flange has glass to metal electrical seals for excellent vacuum integrity and is X-Ray safe to 40KeV.

A common problem with early internal chamber cameras was overheating, this problem is overcome by heat sinking the camera CCD and associated components.

An optional 5.6" TFT monitor is available fitted directly to the power supply, this provides a neat and compact viewing solution and prevents desktops from becoming cluttered.



Images show Chamberscope fitted to a JEOL JSM-6390LV with wide angle 3.6mm lens fitted.

Available as an option is USB2 video capture to allow the image to be displayed on the SEM PC monitor.

Specifications:

- 560 line TV resolution
- 3.6mm & 6mm lens supplied
- TV rate output PAL or NTSC
- X-Ray safe
- 100-115V or 230-240V
- Standard round flange to 100mm
- Optionally will fit any flange

Options:

- 5.6" TV monitor
- USB2 video capture