CDR-Cam Operation

CDRCam is the newest hand-held intra oral camera providing both intra-oral and extra-oral viewing. Its lightweight design and external contour offers a camera that is both comfortable to hold and easy to use. CDRCam's built-in LED light source provides reliable, long-life, low power illumination. To display video images, CDRCam should be connected to an NTSC-composite video device with composite video inputs (stand-alone monitor, television, or printer), or to a desktop system via a video capture board. The camera cable does not contain a fiber optic bundle and is therefore very flexible, and the hand piece can be easily disconnected and moved between operatories. The hand piece houses a high-resolution CCD camera and optics, and a built-in light source. A focusing control on the hand piece allows one hand operation. The focus can be set to three intra-oral positions and one extra-oral position.

The digital format offers exceptional image quality and allows seamless inter-working with the CDR system. Entire series of images can be stored and retrieved. Computer based post-processing of the images allows enlargement and other enhancements to be performed.

Built-in Light Source

Built into the hand piece is a high intensity light source consisting of two lamps. These provide intra-oral illumination. Extra-oral illumination must be provided by another light source.

Camera Connection

The CDR-CAM Intra Oral Camera hand piece connects to the back of the CDR-CAM Camera Card via the CDR-CAM Intra Oral Camera Cable Assembly. Plug the oval connector on one end of the cable assembly into the back of the camera card and secure it using the two thumbscrews on the connector. The round connector plugs into the rear of the hand piece.

Protective Measures

The CDR-CAM system uses disposable sheaths to ensure proper hygiene and protect against infectious disease.

Focusing the Camera

The camera has four different focus settings. To change the focus, turn the knurled focusing ring. Focusing ring should click into each position.

Extra-oral

For viewing the outside of a patients mouth. A smile or full-face image can be obtained using this setting.

Intra-oral - Two Positions

There are two positions available for viewing the inside of the oral cavity

Macro-oral

For viewing a single tooth or other areas up to 1mm away from the front surface of the camera lens.