

# RIETH. LABCAM LC 4 - VIDEOSCOPE

## Precision in the smallest detail

The innovative solution to enlarge objects at the workstation is with this industrial video-camera system. It can replace spectacle magnifiers or microscopes. Ideal for presentations and workshops, as several onlookers can observe visualized details. The future for the modern dental lab!

The enlarged objects can simultaneously be viewed and worked on in an ergonomic correct position. Without putting the workpiece or tool down, the picture can be comfortably zoomed in over a foot switch.

A color-zoom camera is used as well as a s-video-entry monitor. The signal can also easily be dragged onto a video beamer. A PC-connection ( via TV or frame grabber card) enables additional combined possibilities via software such as: Photo-shot and filming for archiving, documentation, presentation and quality control.

The professional bright and flicker free surface light technique with different lighting characteristics respective to shadows, rounds out the multiple use of the new LABCAM-System.



## Functional and optical state-of-the-art technology for the professional application

- LC4: 1/4" Super-HAD-CCD color video camera - AF 18 x optical / 4 x digital
- RS 232 high speed interface
- Screw-thread for ancillary lenses
- Electronic shutter (ESC)
- Counter light offset (BLC)
- Automatic white balance
- Aperture correction (APC)
- VBS and Y/C out

### Two light characteristics: light with shadow and shadow free light



light with shadow



shadow free light

Some works require an even and shadow free light from all sides. Other works may require an asymmetric light to create shadow. Until now, this was managed by using different lamps to fulfill the individual requirement. The light characteristics of the new camera lamp LC 6 can be changed by using the toggle switch. This enables you to carry out all sorts of different work with just one lamp. Moreover, camera unit and lamp are fully adjustable and the position of the camera lamp can be individually set.

#### Technical data Lamp:

Power supply:	230/50Hz
Equipment:	3 x compact fluorescent TC-S 9W
Managing instr.:	KVG
Power cable:	appr. 3 mtr. with safety plug
Lamp arm:	steel pipe powder laminated
Weight:	appr. 5.1 kgs
Mounting:	table clamp
Joint relief:	spring
Safety:	IP 20
Special feature:	toggle switch for light characteristics



Junction-box



foot-pedal

#### Technical Data Camera LC 4:

Picture sensor:	1/4" super HHD CCD
Picture elements:	444.000
Resolution:	> 460 TV lines
Lens:	18 x zoom, F= 4,1 - 73,8, F 1,4 - 3,0
Min.illumination:	1,0 lx (F1,4)
Noise level:	>50 db
Digital function:	negativ, bl/wh mirror refl
Video outlet:VBS:	1,0 VSS (sync neg.) Y/C
Capacity:	6 to 12 V / 1,5 to 2,0 W



#### Dentalprodukte

Im Rank 26/1  
D - 73655 Plüderhausen  
fon 0049 7181 257600  
fax 0049 7181 258761  
info@a-rieth.de  
www.a-rieth.de