



## IR CCD Camera

### IR CCD Camera with gain and offset control

Our camera allows to adjust offset and gain to improve the object contrast significantly. The IR CCD camera can be used as a standalone camera in combination with IR-filters. DIC optics for the microscope is recommended.

### Specifications VX 55

Video Standard	CCIR	Video Output	CCIR Standard 1Vpp, 0.3 V sync level on 75 Ohm
CCD Sensor	Sony Interline Transfer CCD 2/3 " with lens on chip	Maximal Sensitivity	0.15 lx (F=1.0)
Pixel Resolution	11.6 $\mu\text{m}$ x 11.2 $\mu\text{m}$	Maximal S/N ratio	55 dB
Active Sensing Area	8.6 mm x 6.5 mm	Gain Control	1x ... 10x adjustable with potentiometer
Vertical Scanning Frequency	50 Hz	Offset Control	-30 % ... +90 % adjustable with 10 turns potentiometer
Horizontal Scanning Frequency	15.625 kHz	Enhanced Mode Select	off: 1x (gain); on: adjustable gain and offset
Aspect Ratio	4/3 (hor./ver.)		

Product specifications and descriptions in this document are subject to change without notice.

© TILL Photonics GmbH 2010

**TILL Photonics GmbH** · Lochhamer Schlag 21  
82166 Gräfelfing · Germany  
Phone: +49 89 895 662-0 · Fax: +49 89 895 662101  
info@till-photonics.com · www.till-photonics.com

