



**CMEX**  
Digital USB-2 cameras  
**ImageFocus v3**  
Analysing Software



The Euromex CMEX camera family and ImageFocus analysing software provide a perfect solution for modern digital microscopy for teaching, basic industrial applications and demanding amateurs. The cameras are made to be used with biological, metallurgical and stereomicroscopes

## CMEX DIGITAL CMOS COLOUR CAMERAS

	CMEX-1300x	CMEX-5000
Sensor	1/3" CMOS	1/2" CMOS
Pixels	1,3 megapixels	5,0 megapixels
Max output pixels	1280 x 1024	2592 x 1944
Pixel Size	3,6 µm × 3,6 µm	2,2 µm x 2,2 µm
Frame Rate :	from 2 up to 15 f/s	from 2 to 12 f/s
Signal/Noise ratio	44 db	41 db
Dynamic range	> 71 db	> 60 db
Objective	0.65 x	0.65 x
Objective mount	C and CS mount	C and CS mount
Interface	USB 2.0 (480 Mb/s)	USB 2.0 (480 Mb/s)
Article no	DC.1300x	DC.5000



The DC.1300x and DC.5000 is delivered with a calibration slide 1 mm/100 and two 30/30,5 mm adapters for stereo microscopes

High sensitivity camera features, suitable Bright Field, Dark Field, Phase Contrast, Epi-illumination  
Very convenient to use, fits a standard 23.2 mm trinocular tube or eyepiece tube. Supplied with USB 2.0 cable.  
To be used with Euromex ImageFocus software, which can be freely downloaded. The software works solely with CMEX cameras captured images. The CMEX cameras are supplied with a robust carrying case

Options :

DC.1330	30 mm adapter for stereo microscopes	DC.1335	30,5 mm adapter for stereo microscopes
AE.1110	Calibration slide 1 mm/100 divisions	AE.1111	Calibration slide 2 mm/100 divisions
AE.1112	Calibration slide 50 mm/500 divisions	DC.1311	ImageFocus software on CDROM
DC.1320	Objective 1x for DC.1300x and DC.5000	DC.1315	ImageFocus Stacking software (1)
		DC.1316	ImageFocus Stacking software Pro (2)

(1) ImageFocus® Stacking software is the perfect digital image processing software which combines multiple images taken at different focus distances to create a resulting image with a greater depth of field than any of the individual source images

(2) ImageFocus Stacking software Pro extra features:

- retouching brush to clone pixels from source to resulting image
- batch mode to process multiple images stacks

## ImageFocus v3 ANALYZING SOFTWARE

View & capture of live images ( single shot, multi and interval capturing modes )

Save images in TIFF(\*), JPEG(\*), BMP, GIF, PCX, PNG and IFF(\*) formats (\* required formats for measuring function )

Annotate images with text and labels and compare images. Print function

Calibration function of microscopes objectives & camera

Perform measurements ( linear / rectangle / circle / ellipse / angle / free form ) and Vickers Hardness calculation

Perform particle counting on saved images ( 10 counters )

Camera functions :

White balance	White balance function
Exposure time	Auto / manual
RGB control	Individually adjustable
Sensitivity-Gain	Adjustable
Color modes	Color and black & white
Settings	Save and Retrieve function

Minimum system requirements :

- Pentium IV 1,7 GHz for best performance
- Minimum 512 Mb Memory and 50 Mb free hard disk space
- One available high speed USB 2.0 port
- Graphic card true colours
- Microsoft Windows XP, Windows Vista or Windows7 (32 and 64 bit versions)