WinCamD

The Camera we are using belongs to the Chip experiment.

Technical Data

TaperCamD20-15–UCD23:

- WinCamD with 20 x 15 mm 2.27:1 FO taper on the sensor
- 2/3“ CCD sensor for CW Pulsed, 1360 x 1024 pixels
- Pixelsize: **ATTENTION** The manual states, it is 6.45 µm. But taking the physical dimension (20×15 cm) and amount of pixels into account, it is rather **14.6772 µm**, which is approximately 2.27 * 6.45

If you have a TaperCamD series camera, press **Alt S** to reach the WinCamD Capture Setup dialog, and enter the appropriate PMF value in the WinCamD capture screen.

- TaperCamD20 - 15 - UCD23 Pixel multiply factor = **2.27**

Also enter the correct wavelength.

Congratulations. You have successfully completed installation. 😀

Shortcuts

Capture setup dialog: Alt+S Start measurement: Press G Stop measurement: Press S

Troubleshooting

Sometimes the camera is not getting recognized. Open the capture setup dialog (Alt+S) and unplug + plug the camera. Now, the program should recognize the camera.

Power Limits

Power >2.5 x (Beam diam in mm) W, or >10 W total, may damage the ND filter. The limit is lower for pulsed lasers, especially ns & fs lasers.

nm	Damage Threshold	Saturation Irradiance
	mW/cm2	uW/cm2
355	Few	~0.3

630	>10	~0.15
800	“	~0.1
1060	“	~10

Data sheet

- WinCamD: wincamd_man.pdf