

CEO-2D-800 and CEO-2D-800-V

two dimensional imaging spectrograph for arbitrary applications of ultrashort pulse characterization – especially dispersion measurement by spectrally and spatially resolved interferometry with PhADIM-D

CEO-2D-800 and **CEO-2D-800-V** are ultimate tools in any Ti:Sapphire laser laboratory. Designed for spectrally and spatially resolved interferometry (SSRI), these spectrographs are capable to measure angular and material dispersion with extreme high accuracy (with the additional use of **PhADIM-D**). They are also compatible with conventional pulse characterization techniques, like *FROG* and *SEA-SPIDER*; and beyond that, they open a way to unlimited experimental applications.

CEO-2D-800-V offers a variable wavelength range, which is inevitable when accurate spectral measurements needed for pulses with diverse bandwidths. Our device can be switched easily between three different wavelength ranges.

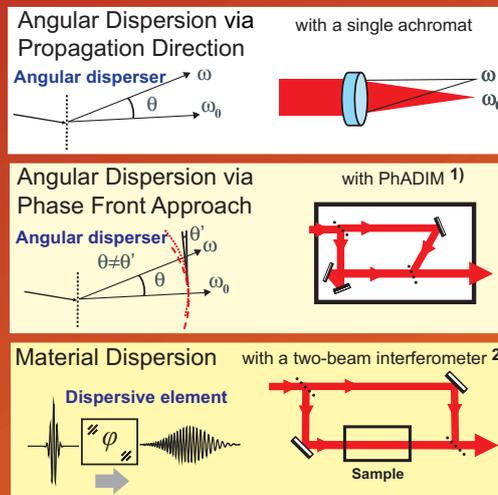


Specifications	CEO-2D-800	CEO-2D-800-V		
Wavelength range:	740-860 nm	735-865 nm	700-900 nm	670-930 nm
Spectral resolution:	0.1 nm	0.1 nm	0.15 nm	0.2 nm
Spatial range:	6.9 mm	6.7 mm	10 mm	13.5 mm
Spatial resolution:	6.7 μm	6.5 μm	97 μm	13 μm
Detector type:	CMOS		CCD	
Detector resolution:	1280x1024		1280x1024	
Connection	IEEE 1394A (Firewire)		IEEE 1394A (Firewire)	
Triggerable:	Yes		Yes	
Dimensions in mm (LxWxH):	300x200x110		300x200x110	

A basic software is provided to capture images in various formats (ascii, bmp, tiff, png, jpg).

Accessories (optional)

FRINGER software for evaluation SSRI interferograms
PhADIM/PhADIM-D for SSRI dispersion measurements
MePS, high accuracy beam rotator for 2D characterization of the beam.



**CEO-2D-800-V
Imaging
spectrograph**



Possible optical layouts for measurements with FRINGER.
For a complete measurement system, please refer our ComDisc solution