



45° Conoscope

Acceptance Angle	±45°	Measured from axis to edge of field
Entrance Pupil Diameter	4.0mm	
Object Distance	Infinity	Infinity is appropriate for displays
Front Working Distance	2.0mm of air	Distance from sample to lens
Image Diameter	12.2mm	
Camera	Sony IMX541	2.74µm pixels
Resolution	0.020°/px	
MTF	>20% at 17.6 cy/° (130cy/mm)	Average as built
Distortion	<2.1%	Can be calibrated out
CRA Control	<4°	Maximum chief ray angle
Peak Wavelength	540nm	
Wavelength Range	405-780nm	Extended wavelength range
Relative Illumination	No vignetting	Falls off approximately as $\cos \theta$
Coating	AR coating for R<0.5%	For incident angles in the range up to 50°
Mount	Yoke	
Barrel Size	290mm long	Length = sample to image plane
Camera Mount	C-Mount	