

# Xenon-RUBY Lens

### Xenon-RUBY 2.2/10

The Xenon-Ruby lens is optimized in accordance with the sensitivity of modern image sensors up to  $1 / 1.8^{\circ}$  (9mm). This lens is the perfect trade-off between price and performance: By having a practice-oriented speed of 2.2, a very high optical performance is achieved.

Even under production and / or extreme conditions, the robust mechanical design with lockable focus and iris setting mechanism guarantees reliable continuous use in which the set optical parameters remain in place.



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#### **Key Features**

- Robust mechanics for rough industrial environment
- · Compact design and low weight
- Focus and iris setting lockable
- High resolution optics
- Transmission 400 1000 nm (VIS NIR)
- Designed for Sensors up to 1 / 1.8" (9mm)

### Applications

- Traffic
- Security/Surveillance
- Machine vision and other imaging applications
- Quality control
- Surface inspection
- 2D / 3D Measurement

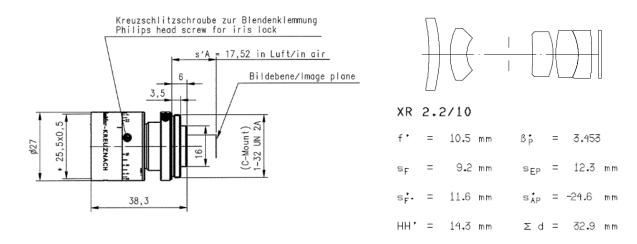
### **Technical Specifications**

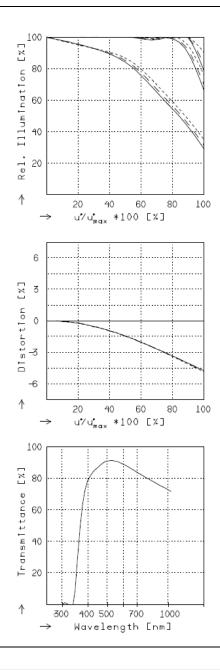
F-stop range	2.2 - 16
Focal length	10.46 mm
Image circle	9 mm
Transmission	400 - 1000 nm
Interface	C-Mount
Filter Thread	M25.5 x 0.5
Weight	50 gr.
Code No.	1074625

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### RELATIVE ILLUMINATION

The relativ illumination is shown for the given focal distances or magnifications.

f	/	2.3	f	/ 4.0	f	/ 5.6	
	ß'	= -0.0200		u <b>,</b> =4.5		00'=	559.
	ß	= -0.0500		u <b>*</b> ax = 4,5		00'=	
	ß	= -0.1000		u <sub>max</sub> = 4.5		00'=	141.

### DISTORTION

Distortion is shown for the given focal distances or magnifications. Positive values indicate pincushion distortion and negative values barrel distortion.

 ß'= -0.0200	u <b>,</b> ax = 4.5	00*=	559.
 ß'= −0.0500	u <b>,</b> ax = 4.5	00'=	245.
 ß' = −0.1000	u <sub>max</sub> = 4.5	00'=	141.

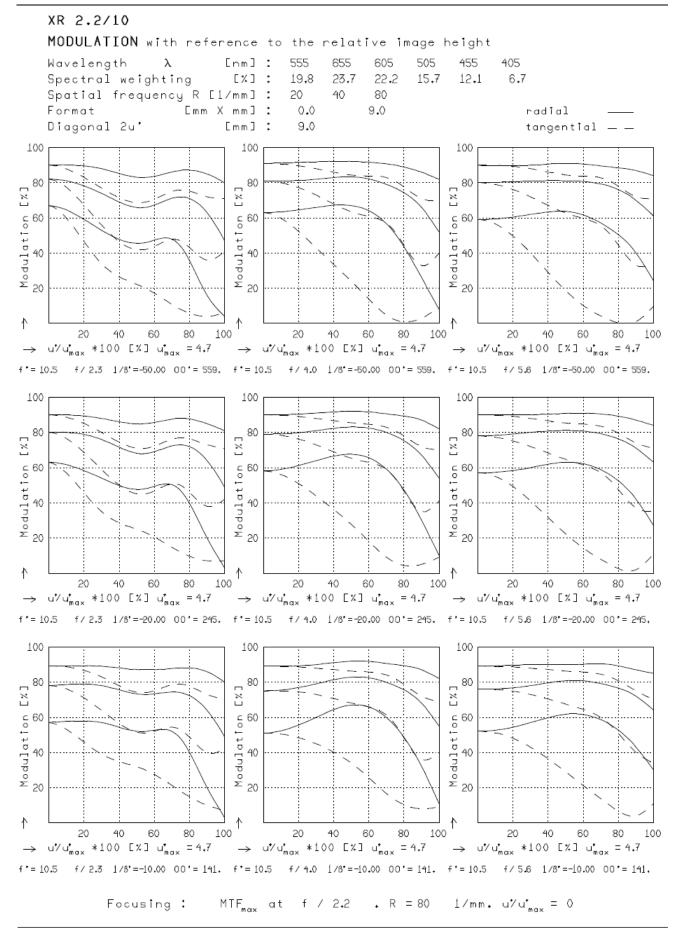
### TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

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