

## RGB Prism (Philips Prism)

The RGB (Philips)Prism is designed for reflective LCOS Projector, matrix camera applications, and is well-suited to fast lenses imaging onto three CCD/CMOS sensors.

Foctek has developed the unique thin air-space ( $8\mu\text{m} \pm 2\mu\text{m}$ ) cementing technique for this prism, which allows Foctek to custom-made high precision Philips Prism for the customers.

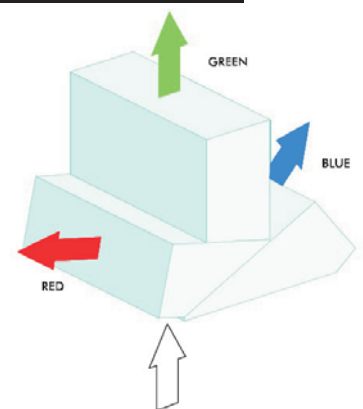
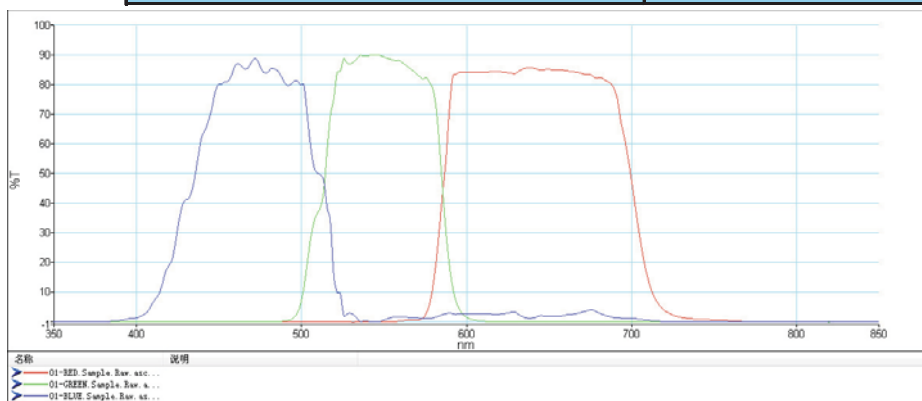


### 1.Coating for each prism:

Wavelength(nm)	430~480	520~560	600~670
B	HT, T>95%	T<0.1%	T<0.1%
R	T<0.1%	T<0.1%	HT, T>95%
G	T<0.1%	HT, T>95%	T<0.1%

### 2.Optical Parameters:

Attribute	Specification
Optical Path	14~150 mm
Clear Aperture	up to 50x50mm
Wavelength range	430~670nm
Antireflection coating	R<0.4%
Type of coating	Dichroic
Blue	430~480 nm
Green	520~560 nm
Red	600~670 nm
Transmission	>80%
Interface	upon request
Mount type	upon request
Output trimming filter	upon request



For three sensors camera application, Foctek also has the ability to assembly the sensors onto the prism output surfaces for you, and guarantee the high precision optical path and position between three sensors.