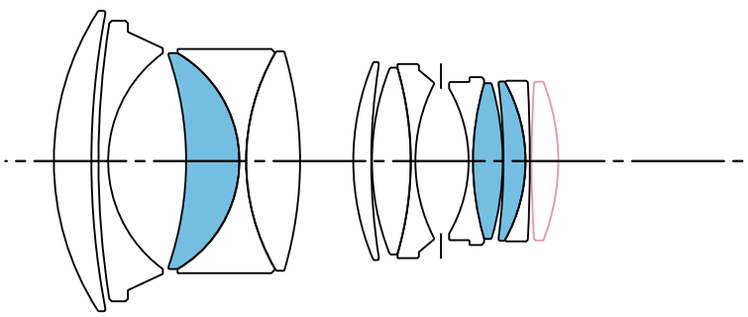
SIGMA

SIGMA 50mm T1.5 FF Technical Specifications

Lens construction



13 Elements in 8 Groups

■:SLD (Special Low Dispersion) Glass □:Aspherical Lens

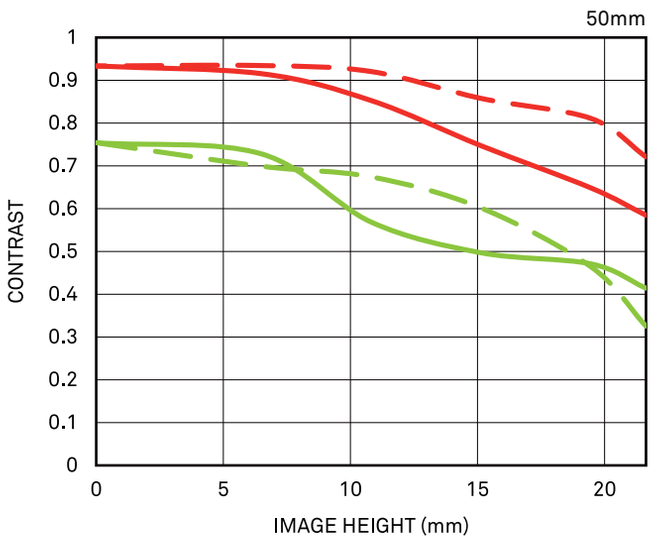
Specifications

FF High Speed Prime Line		50mm T1.5 FF
Focal Length		50mm
Aperture(T)		T1.5 to T16
Number of Diaphragm Blades		9 (Rounded diaphragm)
Close Focus[1]		0.40m / 1'4"
Image Coverage		FF Φ43.3mm
Front diameter		95mm
Filter Size		82mm
Length	EF mount[2]	102mm
	E-mount[3]	128mm
	PL mount[4]	94mm
Weight[5]	EF mount	1290g
	E-mount	1350g
	PL mount	1210g
FF[6]		39.6°
S35[7]		27.6°
APS-C[8]		26.7°

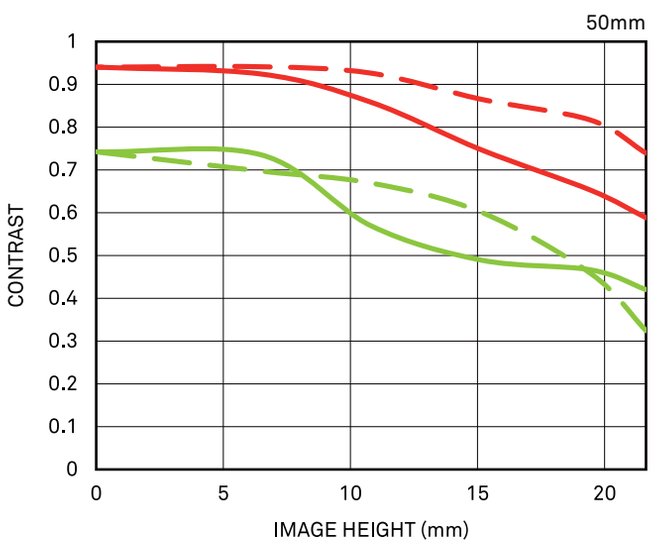
1 Close focus distance is measured from the image plane 2 Front to EF mount flange 3 Front to E-mount flange 4 Front to PL mount flange 5 Without lens support foot 6 Horizontal angle of view for a full-frame camera aperture (aspect ratio 1:1.5, dimensions 36mm×24mm / 1.42"×0.94") 7 Horizontal angle of view for a super 35 digital cinema camera aperture (aspect ratio 1:1.8, dimensions 24.6mm×13.8mm / 0.97"×0.54") 8 Horizontal angle of view for an APS-C camera aperture (aspect ratio 1:1.5, dimensions 23.7mm×15.7mm / 0.93"×0.62") The specifications are subject to change without a notice.

MTF chart

Diffraction MTF



Geometrical MTF



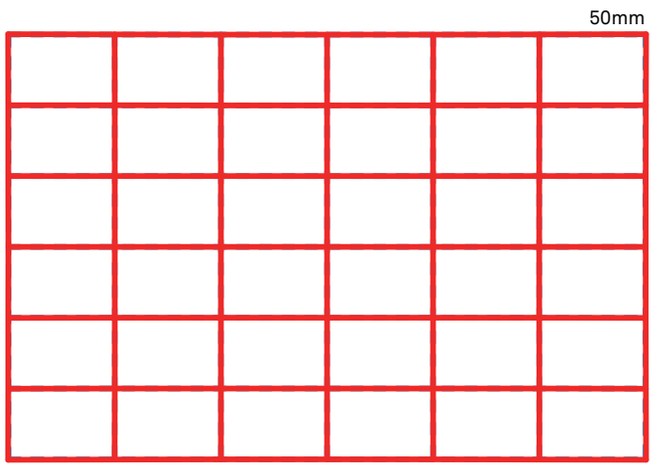
Spatial frequency	S	M
10 lp / mm	———	- - -
30 lp / mm	———	- - -

S : Sagittal Line
M : Meridional Line

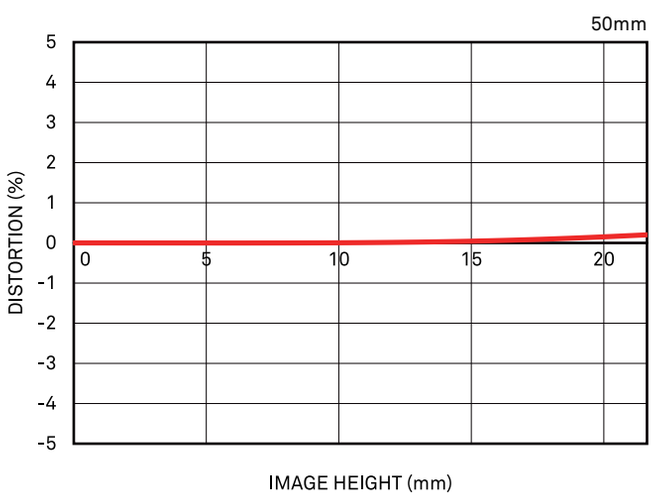
The MTF chart gives the result at the wide-open aperture.

Distortion

Effective distortion



Relative distortion



Vignetting