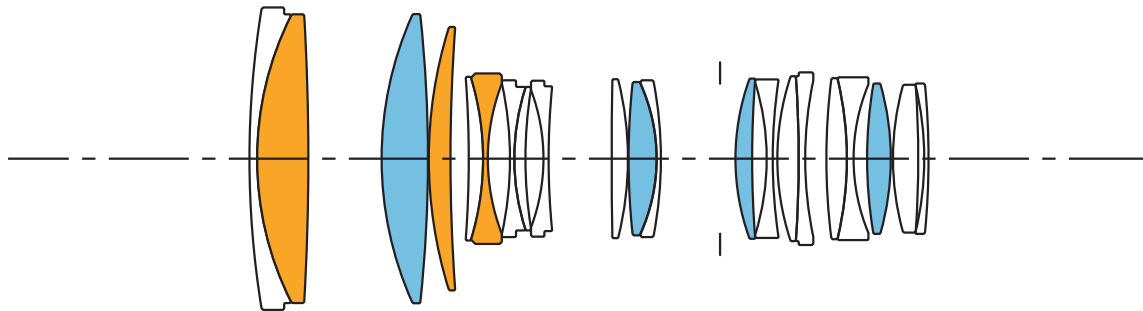


SIGMA

SIGMA 50-100mm T2 Technical Specifications

Lens construction



21 Elements in 15 Groups

■:FLD ("F" Low Dispersion) Glass ■:SLD (Special Low Dispersion) Glass

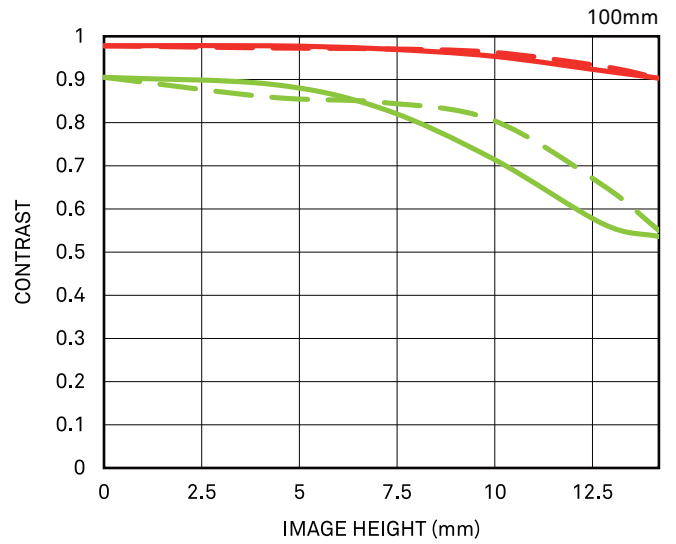
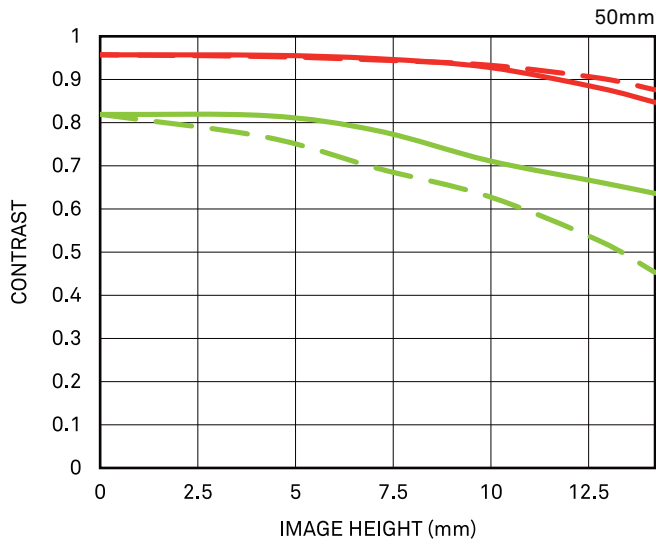
Specifications

High Speed Zoom Line		50-100mm T2
Focal Length		50-100mm
Aperture(T)		T2.0 to T16
Number of Diaphragm Blades		9 (Rounded diaphragm)
Close Focus ¹		0.95m / 3'2"
Image Coverage		S35 Digital Φ 28.4mm
Front diameter		95mm
Filter Size		82mm
Length	EF mount ²	175.2mm
	E-mount ³	201.2mm
	PL mount ⁴	167.2mm
Weight ⁵	EF mount	1885g
	E-mount	1940g
	PL mount	1830g
FF ⁶		-
S35 ⁷		27.6° — 14.0°
APS-C ⁸		26.7° — 13.5°

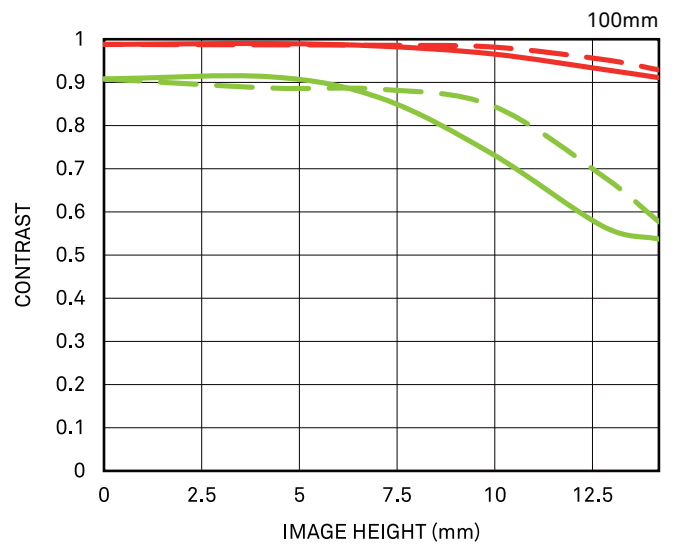
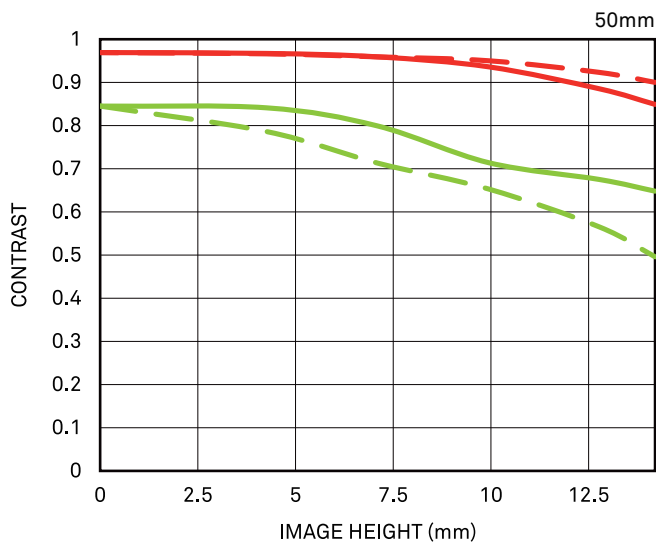
¹ Close focus distance is measured from the image plane ² Front to EF mount flange ³ Front to E-mount flange ⁴ Front to PL mount flange ⁵ Without lens support foot ⁶ Horizontal angle of view for a full-frame camera aperture (aspect ratio 1:1.5, dimensions 36mm×24mm / 1.42"×0.94") ⁷ Horizontal angle of 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



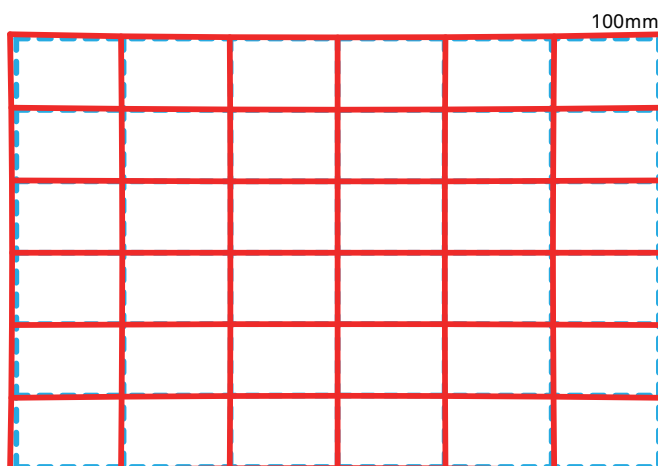
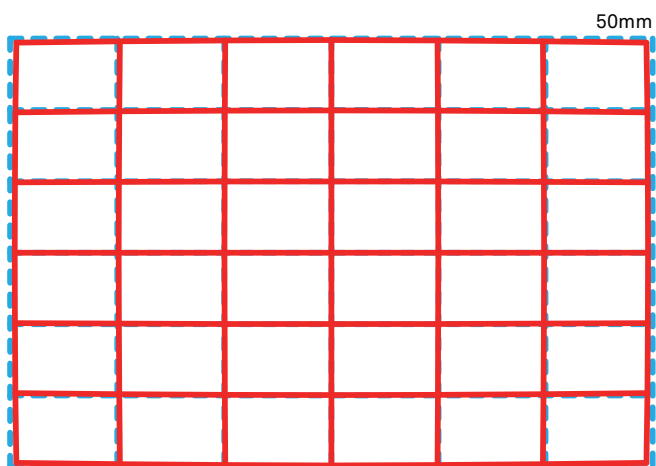
Spatial frequency	S	M
10 lp / mm		
30 lp / mm		

S : Sagittal Line
M : Meridional Line

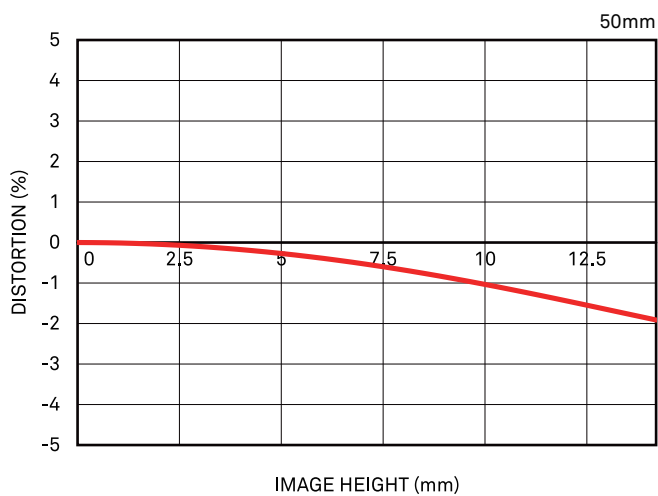
The MTF chart gives the result at the wide-open aperture.

Distortion

Effective distortion



Relative distortion



Vignetting

