

FE 85mm F1.8 SEL85F18



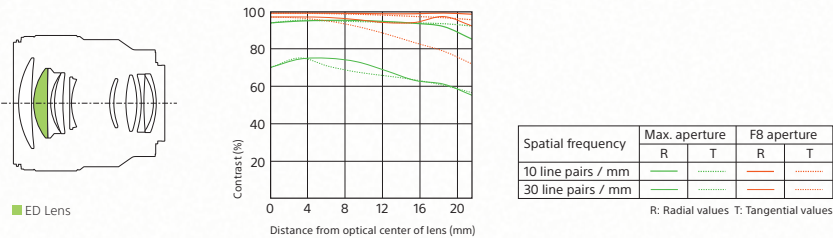
A fine mid-telephoto portrait prime

There's nothing like the sharpness and smooth bokeh of a well-designed mid-telephoto prime lens for portraiture. The FE 85mm F1.8 is an excellent, accessible first choice. It features a compact, lightweight design for mobility, with high-performance optics and a large F1.8 maximum aperture that deliver just the right blend of in-focus sharpness and beautiful bokeh.

- ED (Extra-low Dispersion) glass reduces chromatic aberration
- 9-blade circular aperture
- Double linear motor system for fast, precise AF
- Snappy manual focus response
- Customizable focus hold button



α7R II 1/1600 sec., F1.8, ISO100



Full

Circular Aperture

ED

Super ED

Aspherical

XA

Nano AR Coating

Internal Focus

Linear

SSM

DDSSM

OSS

FRL

FHB

Aperture Ring

AF/MF Switch

Full

35mm full frame

ED

Super ED

ED (Extra-low Dispersion) glass / Super ED

Aspherical

Aspherical lens

XA

XA extreme aspherical lens

Linear

Linear motor

SSM

Super Sonic wave Motor

DDSSM

Direct Drive Super Sonic wave Motor

OSS

Optical SteadyShot

FRL

Focus range limiter

FHB

Focus hold button

Specifications

Model name	SEL100F28GM	SEL85F18
Lens mount	Sony E-mount	Sony E-mount
Format	35mm full frame	35mm full frame
Focal-length (mm)	100	85
35mm equivalent focal-length (APS-C) (mm)	150	127.5
Lens construction (groups-elements)	10-13 *excluding APD element	8-9
Angle of view (APS-C)	16° *1	19° *1
Angle of view (35mm)	24°	29°
Maximum aperture (F)	2.8 (T5.6)	1.8
Minimum aperture (F)	20 (T22)	22
Number of aperture blade	11	9
Circular aperture	Yes	Yes
Minimum focus distance (m)	0.85m / 2.79 ft. (With the macro switching ring set to "0.85m-∞"); 0.57m / 1.87 ft. (With the macro switching ring set to "0.57m-1.0m")	0.8m / 2.63 ft
Minimum focus distance (ft)		
Maximum magnification ratio (x)	0.14 (With the macro switching ring set to "0.85m-∞"); 0.25 (With the macro switching ring set to "0.57m-1.0m")	0.13
Filter diameter (mm)	72	67
Image stabilization (SteadyShot)	Optical SteadyShot	- (body-integrated)
Teleconverter compatibility (1.4x)	-	-
Teleconverter compatibility (2.0x)	-	-
Hood type	Round shape, bayonet type	Round shape, bayonet type
Dimensions dia. x length (mm)	85.2 x 118.1 mm	78 x 82 mm
Dimensions dia. x length (in.)	(3-3/8 x 4-3/4 in.)	(3 1/8 x 3 1/4 in.)
Weight (approx.) (g)	700g (24.7 oz.)	371g (13.1 oz.)
Weight (approx.) (oz.)		
Hood (model)	Hood: ALC-SH147	Hood: ALC-SH150
Lens front cap	Lens front cap: ALC-F72S	Lens front cap: ALC-F67S
Lens rear cap	Lens rear cap: ALC-R1EM	Lens rear cap: ALC-R1EM
Case	Case	

*1 With interchangeable-lens digital camera incorporating APS-C type image sensors.

α Library

Installing α Library lets you download the latest digital lens catalogue for the entire Sony α lens lineup.



"sony α library"

Q

Download on the App Store

ANDROID APP ON Google play

For smartphones and tablets. Search for "sony α library" on Google Play (Anroid) or App Store (iPad/ iPhone)

<http://www.sony.net/alibrary>



SONY



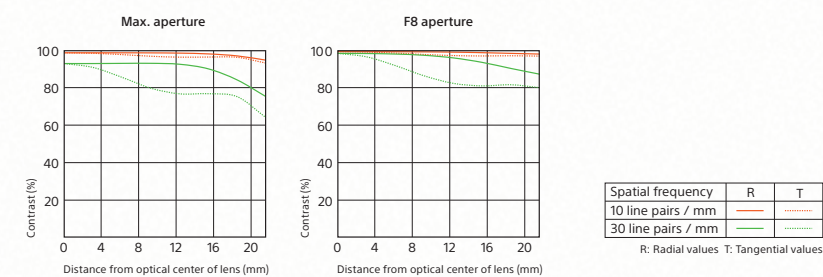
FE 100mm
F2.8 STF GM OSS



$\alpha 7R$ II 1/125 sec., F5.6, ISO200



It also offers close-up capability with up to 0.25x magnification, and fast, precise, quiet autofocus. Optical SteadyShot™ image stabilization minimizes blur.



Everything about this lens has been designed and refined to produce the smoothest, deepest, lushest bokeh imaginable. The optical design including a new apodization (APD) element and 11-blade aperture deliver breathtakingly soft, smooth bokeh that ideally sets off in-focus subjects without peripheral highlight distortion due to vignetting, while high G Master resolution is maintained right out to the image edges. Up to 0.25x magnification enables stunning close-ups.

A DDSSM (Direct Drive SSM) focus drive system provides fast, precise, quiet autofocus for stills and movies, while built-in Optical SteadyShot™ image stabilization makes it possible to achieve maximum subject sharpness at lower shutter speeds. Other features include an aperture ring, switchable aperture ring click stops, a focus hold button, an AF/MF select switch, a wide focus ring, and a dust and moisture resistant design*.

The diagram is divided into two horizontal sections. The top section illustrates the optical path: light rays from a 'Point source' pass through an 'APD element' (a lens-like structure). The rays converge at the 'Focal plane' and then diverge, creating a 'Background bokeh' effect. The bottom section shows the 'Light intensity distribution' across the field of view. It features three bell-shaped curves representing the intensity profile. The central curve is the tallest and narrowest, while the two side curves are shorter and wider, indicating that the intensity decreases towards the periphery. This results in a 'Refined bokeh' effect.

Optical apodization delivers refined bokeh

An APD element is similar to a neutral density filter that gradually increases in density towards the perimeter with a correspondingly graduated decrease in light transmission. Its effect is that areas both in front of and behind the plane of focus transition into uniquely soft bokeh.

Full	Circular Aperture	ED	Super ED	Aspherical	XA	Nano AR Coating	Internal Focus	Linear	SSM	DDSSM	OSS	FRL	FHB	Aperture Ring	AF/MF Switch
Full	35mm full frame	ED	Super ED	ED (Extra-low Dispersion) glass / Super ED	Aspherical	Aspherical lens	XA	XA extreme aspherical lens	Linear	Linear motor	SSM	Super Sonic wave Motor	DDSSM	Direct Drive Super Sonic wave Motor	
OSS	Optical SteadyShot	FRL		Focus range limiter	FHB			Focus hold button							