silvestri

APO SILVETAR f. 5,6 / 35mm

Professional Lens for Digital Backs & Cameras

The Apo Silvetar 5.6/35mm lens was designed for modern view cameras and medium format mirrorless cameras. The possibility of accommodation movements for perspective correction and its exceptional technical characteristics correspond to the demands of quality and wide range of use by professional architecture and landscape photographers.

1) Excellent colour rendering.
2) Excellent resolution.
3) Wide retrofocus space requested for extreme applications.
4) The small rear group size (23mm) allows large movements inside the bayonets of mirrorless cameras.
5) M39x1 screw connection with flange (shutter n.1)
6) On Flexicam, possibility of mounting in a recessed position up to 85mm from the focal plane.

Apo Silvetar f 5.6 / 35 mm
- codice SIL0010

Compatibility:
Silvestri cameras: Flexicam
Technical cameras: M39x1 thread (Leica style) or Copal 1 flange M39, locking ring included.

Photo taken with Apo Silvetar f 5.6 / 35 mm on Flexicam & Hasselblad X1D

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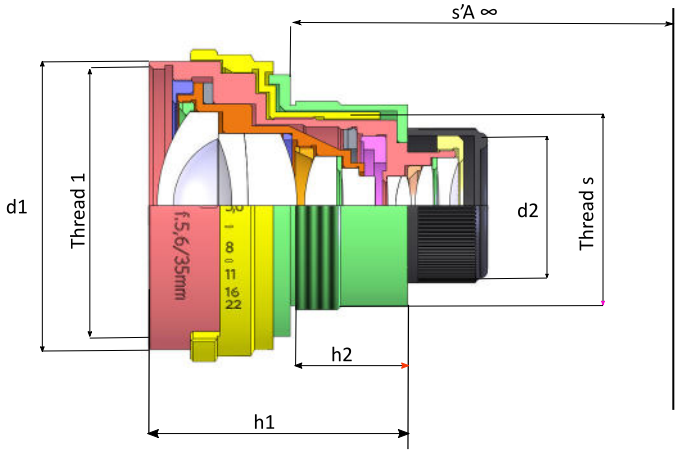
Professional Digital Camera Lens

- Optical and mechanical dimensions

Filter thread Frontal	Max diameter of the front mount	Max diameter of the rear mount	Total overall height	Flange surface to rear edge of mount	Mounting thread of the shutter	Flange focal distance s'A ∞	Smallest aperture
Thread1	d1	d2	h1	h2	Thread s		
52 x 0.75	**54 mm**	**23 mm**	**48.2 mm**	**22.1 mm**	**M39x1**	**65.416 mm**	**22**

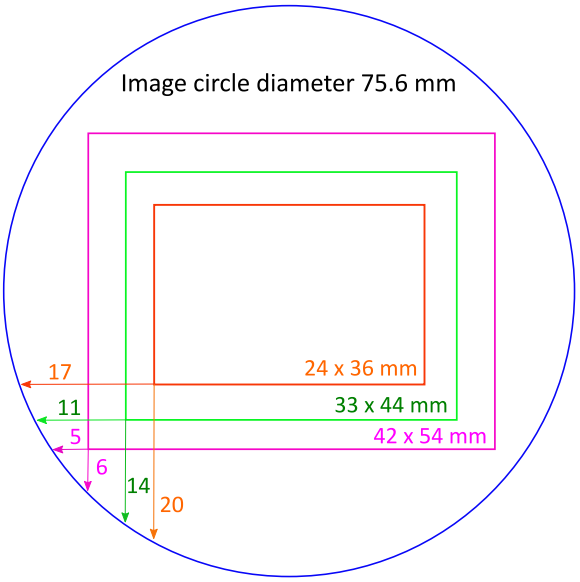
Shutter size	Weight	Effective focal length	Optical design	Rear size	Nearest distance from sensor plane	Image circle diameter at infinity
Copal 1	**200 g**	**35.36**	**9/7**	**32.8**	**37.5 mm**	**75.6 mm**

! The camera or the digital back has to have a focal-plane shutter or a sensor with an electronic shutter.



The comparison of the chip formats with the image circle of the Apo Silvetar shows the margin for parallel displacement in order to correct perspective (elimination of converging lines) and for lens tilt/swing for a better control of depth of field.

- Working apertures, image angles, image circles and movement ranges



Maximum lens displacement at f stop 22 and landscape format, for portrait format the values are to be reversed, with focus on infinity:

24 x 36 mm	33 x 44 mm	42 x 54 mm
← **17** ↓ **20**	← **11** ↓ **14**	← **5** ↓ **6**

Coating ..... MC (multicoating)
Max. sensor format ..... 42 mm x 54 mm
Focusing ..... manually
Aperture setting ..... manually
Aperture setting range .... 5.6 to 22
Lens shade ..... Accessory, threaded
Available camera mounts: M39x1 thread, locking ring for Copal 1 lens boards.
Angle of view ..... 94 degrees

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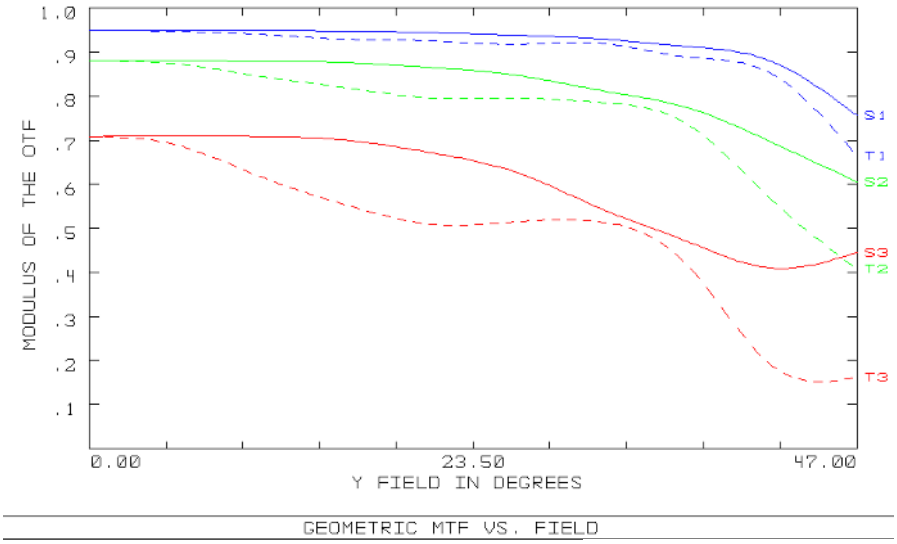
- Modulation transfer function



GEOMETRIC MTF VS. FIELD

FRI AUG 30 2019
DATA FOR 0.4300 TO 0.6700 µm.
SPAT. FREQ 1: 10.0000 CY/MM.
SPAT. FREQ 2: 20.0000 CY/MM.
SPAT. FREQ 3: 40.0000 CY/MM.

All spatial frequencies [line pairs/mm], image heights [mm] and scales are related to the film or sensor side

Spectral range mkm	Transmittance T	Corner field degrees	Linear image field mm
0.43 - 0.73	**0.85**	**94**	**75.6**

Photo taken with Apo Silvetar f 5.6 / 35 mm on Flexicam & Fuji GFX50

Apo Silvetar ƒ 5.6 / 35 mm in recessed mounting on Flexicam

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