

Produkt Name		Product Name	FE185C086HA-1
Brennweite [mm] (Designwert)	Focal length [mm] (design value)		2.7mm
			(2.68 mm)
Blende (F-Nummer)	Iris range (Fnumber)		F1.8 – F16
Bildwinkel	Angle of view		185° x 185° (φ8.6)
			2/3" → 185° x 140.6
			1/2" → 136,3° x 102.3°
Arbeitsabstand (von der Vorderseite des Objektivtubus) [mm]	Working distance (from front of lens barrel) [mm]		∞ - 200 mm
Fokuseinstellung	Operation of focus		fixed
Blendensteuerung	Operation of iris		Manual
Filtergewinde [mm]	Filter thread [mm]		-
Anschluss	Mount		C-mount
Gewicht (ca.) [g]	Weight (approx.) [g]		160 g
Sensorgröße (Standard)	Sensor size (std.)		
Sensorgröße (maximal)	Sensor size (max.)		1" (5μm)
Hintere Brennweite (in Luft) [mm]	Back focal distance (in air) [mm]		9.75 mm
Auflagemaß [mm]	Flange back [mm]		17,53 mm
Eintrittspupillenposition (vom Anschluss) [mm] **	Entrance pupil position (from Mount [mm]		
Austrittspupillenposition (vom Bildsensor) [mm] **	Exit pupil postion (from image plane) [mm]		-40.08 mm
Vordere Hauptpunktposition (vom Anschluss) [mm]	Front principle point (from Mount)		-43.43 mm
Hintere Hauptpunktposition (vom Anschluss) [mm]	Rear principle point (from Mount)		14.85 mm
Abstand zwischen den Hauptpunkten [mm]	Distance between the pincipal points		49.85 mm
Optische Verzerrung [%]	Optical Distortion [%]		-0.53 % (y=f*0)
Abmessungen [mm]	Dimension [mm]		φ56.5x52.2
Hauptstrahlwinkel [°]	Chief Raz Angle [°]		5.06
Relative Beleuchtung [%] (Blende: F4.0, Bildhöhe: φ8.6) (Blende: bei voller Öffnung, Bildhöhe: φ8.6)	Relative illmination (Apeture: F4.0, Image heigh: at φ8.6mm) (Apeture: at full open, Image heigh: at φ8.6mm)		94 %
			82 %
Betriebstemperaturbereich	Operation Temperature Range		-10°C bis +50°C
Lagertemperaturbereich	Storage Temperature Range		-20°C bis +60°C

* Diese Spezifikationen können ohne vorherige Ankündigung geändert werden. 17. Oct 2022

** Die Position der Eintrittspupille und die Position der Austrittspupille werden durch den 'Hauptstrahl bei 60% der Bildhöhe' berechnet.

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型番	Product Name	FE185C086HA-1
焦点距離 [mm]	Focal length [mm] (design value)	2.7 (2.68)
絞り範囲 (F値)	Iris range (Fnumber)	F1.8 - F16
画角 (H × V)	Angle of view	185.0° × 185.0° (1" (φ8.6))
		185.0° × 140.6° (2/3")
		136.3° × 102.3° (1/2")
フォーカス範囲 (レンズ先端より) [mm]	Working distance (from front of lens) [mm]	∞ - 200
操作方法:フォーカス	Operation of focus	fixed
操作方法:アイリス	Operation of iris	Manual
フィルタ径 [mm]	Filter thread [mm]	-
マウント	Mount	C-mount
質量 (約) [g]	Weight (approx.) [g]	160
適合センサーサイズ (標準)	Sensor size (std.)	-
適合センサーサイズ (最大)	Sensor size (max.)	1" (5μm)
バックフォーカス (空気換算長) [mm]	Back focal length (in air) [mm]	9.75
フランジバック [mm]	Flange back [mm]	17.53
入射瞳位置 (マウント面から) [mm]	Entrance pupil position (from Mount) [mm]	-40.08
射出瞳位置 (結像面より) [mm]	Exit pupil position (from image plane) [mm]	-43.43
前側主点 (マウント面から) [mm]	Front principal point (from Mount) [mm]	-35.00
後側主点 (マウント面から) [mm]	Rear principal point (from Mount) [mm]	14.85
主点間隔 [mm]	Distance between the principal points [mm]	49.85
光学ディストーション [%]	Optical distortion [%]	-0.53 (γ=f*θ)
外形寸法 [mm]	Dimension [mm]	φ56.5×52.2
主光線入射角度 [°]	Chief Ray Angle [°]	5.06
周辺光量比 (F4.0・φ8.6) [%]	Relative illumination [%] (Aperture: F4.0, Image height : at φ8.6)	94
周辺光量比 (開放・φ8.6) [%]	Relative illumination [%] (Aperture: at full open, Image height : at φ8.6)	82
使用温度範囲	Operation Temperature Range	-10℃ ~ 50℃
保存温度範囲	Storage Temperature Range	-20℃ ~ 60℃

These specifications are subject to change without notice.

Entrance pupil position and Exit pupil position are calculated by "chief ray of 60% image height".

17-Oct-22