

## **FUJINON**

# 点距離 [mm]			Ver.3.1
(design value) (design value) (12.83) (数分類間 (Fife) Iris range (Fnumber) F1.4-F22 mm角 (H×V) Angle of view 53.1*×41.2*(1") フォーカス範囲 (レンズメカ先端より) [mm] Working distance (from front of lens barrel) [mm]	型番	<b>Product Name</b>	CF12.5HA-1
(design value)	焦 占 归 敛 [ ······· ]	Focal length [mm]	12.5
画角(H×V) Angle of view	<u>.</u> ,	(design value)	(12.83)
フォーカス範囲 (レンズメカ先端より) [mm]   Working distance (from front of lens barrel) [mm]	絞り範囲 (F値)	Iris range (Fnumber)	F1.4-F22
横作方法アオーカス	画角 (H×V)	Angle of view	53.1° × 41.2° (1")
機作方法・フォーカス Operation of focus Manual 操作方法・アイリス Operation of focus Manual 操作方法・アイリス Operation of iris Manual クイルタ径 [mm] Filter thread [mm] M49 × 0.75 マウント Mount C-mount 質量 (約) [g] 290 適合・センサーサイズ (標準) Sensor size (std.) 1" (9.1 µm) 適合・センサーサイズ (標準) Sensor size (std.) 1" (9.1 µm) 適合・センサーサイズ (標準) Sensor size (max.) 1" (9.1 µm) が、ックフォーカス (空気換算長) [mm] Back focal length (in air) [mm] 16.07 フランジパック [mm] Flange back [mm] 17.53			∞ - 100
操作方法:アイリス		(from front of lens barrel) [mm]	
Filter thread [mm]   M49 × 0.75	操作方法:フォーカス	Operation of focus	Manual
受けた Mount C-mount 質量(約) [g] Weight (approx.) [g] 290 適合センサーサイズ (標準) Sensor size (std.) 1" (9.1µm) 適合センサーサイズ (標準) Sensor size (max.) 1" (9.1µm) 16.07 フランジパック [mm] Back focal length (in air) [mm] 16.07 フランジパック [mm] Flange back [mm] 17.53	操作方法:アイリス	Operation of iris	Manual
質量(約) [g] Weight (approx.) [g] 290 適合センサーサイズ (標準) Sensor size (std.) 1" (9.1 μm) 適合センサーサイズ (最大) Sensor size (max.) 1" (9.1 μm) 適合センサーサイズ (最大) Sensor size (max.) 1" (9.1 μm) 16.07 フランジパック [mm] Back focal length (in air) [mm] 16.07 フランジパック [mm] Flange back [mm] 17.53 Entrance pupil position (from Mount) [mm] 43.70 Exit pupil position (from Mount) [mm] 16.85 (from image plane) [mm] 16.85 (from image height: at diagonal) (from Mount) [mm] 16.95 (from image height: at diagonal) (from Mount) [mm] 16.97 (from	フィルタ径 [mm]	Filter thread [mm]	M49 × 0.75
適合センサーサイズ(標準) Sensor size (std.) 1" (9.1 μm) 適合センサーサイズ (最大) Sensor size (max.) 1" (9.1 μm) 19.1 μm) 19.1 μm) 19.1 μm) 19.2 μm 19.2	マウント	Mount	C-mount
適合センサーサイズ(最大) Sensor size (max.) 1" (9.1µm) バックフォーカス (空気換算長) [mm] Back focal length (in air) [mm] 16.07 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] 43.70  射出瞳位置 (結像面より) [mm] Exit pupil position (from mage plane) [mm] -116.85  前側主点 (マウント面から) [mm] Front principal point (from Mount) [mm] 4.70  主点間隔 [mm] Distance between the principal points [mm] 38.37  TVディストーション [%] TV distortion [%] 0.86  外形寸法 [mm] Dimension [mm] φ51 × 68.5  主光線入射角度 [°] 2.68  Relative illumination [%] (Aperture: F4.0, 101  Image height: at diagonal)  Relative illumination [%] (Aperture: at full open, 1mage height: at diagonal)  使用温度範囲 Operation Temperature Range -10℃ ~+50℃	質量(約)[g]	Weight (approx.) [g]	290
バックフォーカス(空気換算長) [mm]   Back focal length (in air) [mm]   16.07     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]   -43.70     射出瞳位置 (結像面より) [mm]   Exit pupil position (from Mount) [mm]   -116.85     前側主点 (マウント面から) [mm]   Front principal point (from Mount) [mm]   4.70     主点間隔 [mm]   Distance between the principal points [mm]   38.37     TVディストーション [%]   TV distortion [%]   0.86     外形寸法 [mm]   Dimension [mm]   φ51 × 68.5     主光線入射角度 [*]   Chief Ray Angle [*]   2.68     周辺光量比 (F4.0・対角端) [%]   (Aperture: F4.0,	適合センサーサイズ (標準)	Sensor size (std.)	1" (9.1μm)
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] -43.70  射出瞳位置 (結像面より) [mm] Exit pupil position (from image plane) [mm] -116.85  前側主点 (マウント面から) [mm] Front principal point (from Mount) [mm] -33.68  後側主点 (マウント面から) [mm] Rear principal point (from Mount) [mm] 4.70  主点間隔 [mm] Distance between the principal points [mm] 38.37  TVディストーション [%] TV distortion [%] 0.86  外形寸法 [mm] Dimension [mm]	適合センサーサイズ(最大)	Sensor size (max.)	1" (9.1μm)
入射瞳位置 (マウント面から) [mm]	バックフォーカス(空気換算長)[mm]	Back focal length (in air) [mm]	16.07
対出瞳位置 (マウント面から) [mm]	フランジバック [mm]	Flange back [mm]	17.53
射出瞳位置 (結像面より) [mm]	入射瞳位置(マウント面から)[mm]	Entrance pupil position	-43.70
前側主点 (マウント面から) [mm] Front principal point (from Mount) [mm] -33.68 後側主点 (マウント面から) [mm] Rear principal point (from Mount) [mm] 4.70 主点間隔 [mm] Distance between the principal points [mm] 38.37 TVディストーション [%] TV distortion [%] 0.86 外形寸法 [mm] Dimension [mm]			
前側主点 (マウント面から) [mm] Front principal point (from Mount) [mm] -33.68 後側主点 (マウント面から) [mm] Rear principal point (from Mount) [mm] 4.70 主点間隔 [mm] Distance between the principal points [mm] 38.37 TVディストーション [%] TV distortion [%] 0.86 外形寸法 [mm] の51 × 68.5 主光線入射角度 [°] の51 × 68.5 主光線入射角度 [°] の68 Relative illumination [%] (Aperture: F4.0, 101 Image height: at diagonal)  Relative illumination [%] (Aperture: at full open, 39 Image height: at diagonal) 使用温度範囲 のperation Temperature Range -10℃ ~+50℃	射出瞳位置 (結像面より) [mm]	Exit pupil position	
後側主点 (マウント面から) [mm] Rear principal point (from Mount) [mm] 4.70 主点間隔 [mm] Distance between the principal points [mm] 38.37 TVディストーション [%] TV distortion [%] 0.86 外形寸法 [mm] ゆ51 × 68.5 主光線入射角度 [°] 2.68  Relative illumination [%] (Aperture: F4.0, 101 Image height: at diagonal)  周辺光量比 (開放・対角端) [%] Relative illumination [%] (Aperture: at full open, 1mage height: at diagonal)  使用温度範囲 Operation Temperature Range -10°C ~ +50°C		(from image plane) [mm]	
主点間隔 [mm] 38.37  TVディストーション [%] TV distortion [%] 0.86  外形寸法 [mm]		Front principal point (from Mount) [mm]	-33.68
TV ディストーション [%]	後側主点 (マウント面から) [mm]	Rear principal point (from Mount) [mm]	4.70
外形寸法 [mm]	主点間隔 [mm]	Distance between the principal points [mm]	38.37
主光線入射角度 [°] 2.68 Relative illumination [%] 周辺光量比 (F4.0·対角端) [%] (Aperture: F4.0, 101 Image height: at diagonal) Relative illumination [%] (Aperture: at full open, 39 Image height: at diagonal) 使用温度範囲 Operation Temperature Range -10℃ ~ +50℃	TVディストーション [%]	TV distortion [%]	0.86
Relative illumination [%] (Aperture: F4.0, 101 Image height : at diagonal)  Relative illumination [%] (Aperture: F4.0, 101 Image height : at diagonal)  Relative illumination [%] (Aperture: at full open, 39 Image height : at diagonal) 使用温度範囲 Operation Temperature Range -10℃~+50℃	外形寸法 [mm]	Dimension [mm]	φ51 × 68.5
周辺光量比 (F4.0・対角端) [%] (Aperture: F4.0, 101 Image height : at diagonal) Relative illumination [%] (Aperture: at full open, 39 Image height : at diagonal) 使用温度範囲 Operation Temperature Range -10℃ ~+50℃	主光線入射角度[°]	Chief Ray Angle [°]	2.68
Image height : at diagonal) Relative illumination [%] (Aperture: at full open, 39 Image height : at diagonal) 使用温度範囲 Operation Temperature Range -10℃ ~+50℃	周辺光量比 (F4.0·対角端) [%]	Relative illumination [%]	
Relative illumination [%] 周辺光量比 (開放•対角端) [%]			101
周辺光量比 (開放•対角端) [%] (Aperture: at full open, 139 Image height: at diagonal) 使用温度範囲 Operation Temperature Range -10℃ ~+50℃			
Image height : at diagonal)       使用温度範囲     Operation Temperature Range     -10℃ ~ +50℃	周辺光量比 (開放・対角端) [%]		
使用温度範囲 Operation Temperature Range -10℃ ~ +50℃			39
保存温度範囲 Storage Temperature Range -20°C ~ +60°C			
PN 11 mas/2 + a point and a point a po	保存温度範囲	Storage Temperature Range	-20°C ∼ +60°C

These specifications are subject to change without notice.

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