



**Optional camera mount**  
 1、 F mount  
 2、 M42×1

## XF-PTL31029-F

### Specification

Optical structure	Bi-Telecentric
Magnification	0.0938
Object field of view	$\phi 309.2\text{mm}$
Image field of view	$\phi 29\text{mm}$
Working Distance	$500\text{mm} \pm 3\%$
Telecentricity	$< 0.04^\circ (0.06^\circ)$
Depth of field	86.8mm
F#	F7
Resolution	$49.3\mu\text{m}$
MTF	$> 0.3 @ 145\text{lp/mm}$
Distortion	$< 0.040\% (0.066\%)$
Detector type:	

7/4' $22.5 \times 16.9$	$239.9 \times 180.2\text{mm}$
4/3' $18.0 \times 13.5$	$191.9 \times 143.9\text{mm}$
1.1' $14.2 \times 10.4$	$151.4 \times 110.9\text{mm}$
1' $12.8 \times 9.6$	$136.5 \times 102.3\text{mm}$
2K Linear scan $2048 \times 10\mu\text{m}$	218.3mm
4K Linear scan $4096 \times 7\mu\text{m}$	305.7mm

**XF-PTLAAABB-C/F/P/M- (L90E)**

The fourth generation lens of Canrill

Object FOV

Image FOV

The camera mount (M & P mount need specify BFL)

90° Steering option

Undefined tolerance (mm)	degree	File Name			
X. X	$\pm 0.2$	$\pm 30\text{min}$	XF-PTL31029-F-外形尺寸-EN		
X. XX	$\pm 0.02$	Drawing Name			
X. XXX	$\pm 0.005$	Drawing Size: A3			
	Sign	Data/Ver.	Material	Ratio	Product Name
Design				1:5	
Modify1			Qty		Canrill OPTICS
Modify2			Total:	Page:	All design and drawings are intellectual property of Canrill Optics, can not be copied without Canrill's authorization.