

This figure presents the technical specifications and mechanical drawing of the ML5028F02 50mm micro-distance lens.

The left side contains two tables: a Specification table and a Field of View Angle table.

Specification		
EFL	焦距	f=50mm
F.No	通光孔径	f2.8~F16
Focus Distance	对焦距离	0.095m~0.132m
Flange Back	法兰距	17.526mm in air
Distortion	TV畸变	<0.05%
Filter Screw Size	滤镜尺寸	M27xP0.5
REL. Illumination	相对照度	/
Mount	接口	C Mount
Field of View Angle 视场角(对角D×水平H×垂直V)	1/3"	/
	1/2"	/
	2/3"	/

Working Distance(mm)	Optical Magnification	1.1" FIEL OF VIEW	
		H(°)	V(°)
95.4	0.8X	17.5	13
99.4	0.75X	18.6	14
103.4	0.7X	20	15
109.4	0.65X	21.5	16.1
115.4	0.6X	23.3	17.6
123.4	0.55X	25.5	19.1
132.4	0.5X	28	21

The right side features a detailed mechanical drawing of the lens assembly. The drawing shows the front view of the lens with various dimensions labeled in millimeters. Key dimensions include the total length (132.4mm), the distance from the filter screw to the rear flange (17.526mm), and the diameter of the rear flange (1.1 inch). The drawing also indicates the location of adjustment screws (光圈调节手柄) and the image plane (像面).

Below the drawing is a revision table:

标记	处数	变更内容/原因	担当	变更日期	批准

The bottom right corner includes a logo for YIXIAN SENSE (易显传感) and a title block containing the drawing name (图面名称), machine type (機種名称), material (材料), surface treatment (表面处理), unit (单位), view (视图), and scale (比例).

YIXIAN SENSE 易 显 传 感		图面名称	50mm微距镜头规格书		
		機種名称	ML5028F02		
绘 图		材 料	/	版 本	V0
校 对		表面处理	/	比 例	2:1
审 核		单 位	mm	页 次	1/1
标 记	处 数	变更内容/原因	担 当	变更日期	批 准