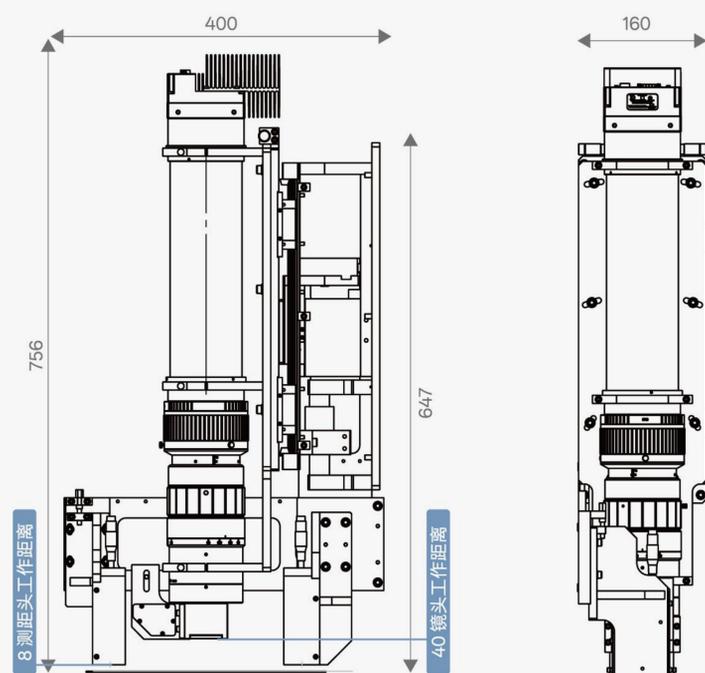# 不同倍率大靶面物镜自动对焦规格

Autofocus specifications for large-format objectives with different magnifications

倍率 MAGNIFICATION	像素精度um PIXEL PRECISION	视野范围mm FIELD OF VISION	景深um DEPTH OF FIELD	物像距mm DEPTH OF FIELD	扫描速率mm/s SCAN RATE
2.5	2	32.77	27.59	570	600
3.33	1.5	24.60	16.68	665.1	450
5	1	16.38	7.69	697.89	300

规格图

DIMENSION DRAWING

DZOPTICS

大靶面物镜
自动对焦系统

Large-Surface
Objective Lens
Autofocus System

公众号/DZOPTICS   官网/Website

大靶面物镜自动对焦系统
LARGE-SURFACE OBJECTIVE LENS AUTOFOCUS SYSTEM

Features
and Advantages
特点优势

**采用线激光对焦技术，结合高分辨率编码器实
现对焦精度士1um，响应时间低于100ms**

Line laser focusing technology is adopted, combined with
a high-resolution encoder,to achieve a focusing accuracy
of +1um and a response time of less than 100ms.

**专为大靶面高精度视觉检测设计，
适用于无图案/有图案晶圆面板及IC载板检测**

Designed specifically for high-precision visual inspection
of large-surface objectives,suitable for the inspection of
patterned/unpatterned wafers, panels, and IC substrates.

**支持16K超大靶面相机与高行频扫描
确保复杂表面条件下依然稳定快速对焦,全面提升检测效率与可靠性**

Supports a 16K ultra-large objective lens camera and high line frequency scanning,
ensuring stable and fast focusing even under complex surface conditions,
comprehensively improving inspection efficiency and reliability.
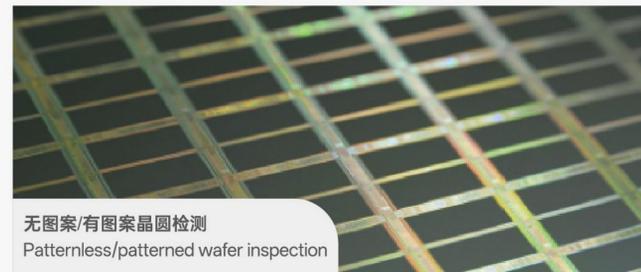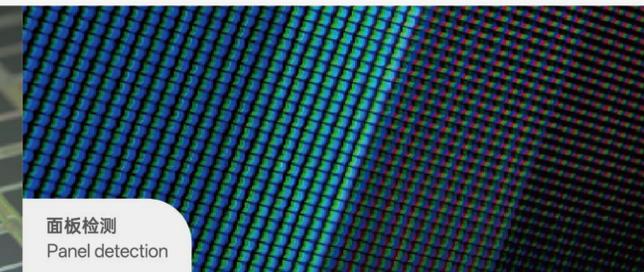customizable to customer needs.

规格
SPECIFICATION

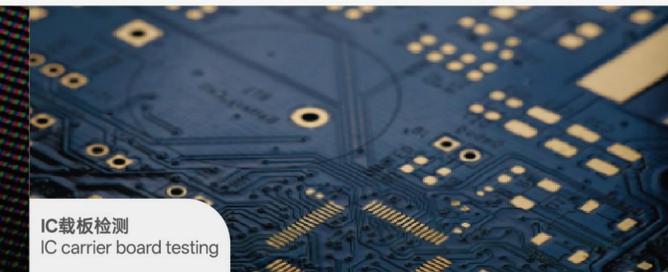| 项目 ITEM	参数 PARAMETER
对焦行程/时间 FOCUSING TRAVEL/TIME	± 0.5mm/<100ms
对焦精度 FOCUSING ACCURACY	1/4倍景深 1/4 DEPTH OF FIELD
电机动作频率 MOTOR OPERATING FREQUENCY	40Hz
测距相机计算频率 RANGING CAMERA CALCULATION FREQUENCY	33 0Hz
编码器分辨率 ENCODER RESOLUTION	0.1um
电机定位精度 MOTORPOSITIONING ACCURACY	±1ums
电机行程 MOTORSTROKE	10mm
Z轴最大负载 MAXIMUMLOAD ON THEZ-AXIS	22kg
仪器重量 INSTRUMENT WEIGHT	30kg
仪器尺寸(mm) INSTRUMENT DIMENSIONS (MM)	L:495*W795*H:255

应用场景
APPLICATION

无图案/有图案晶圆检测
Patternless/patterned wafer inspection

面板检测
Panel detection

IC载板检测
IC carrier board testing