Auto Focus (TTL type) | TAF-SS-OBL-3

RoHS Catalog Code W2014

The Through The Lens auto focus method incorporates the focusing system into the microscope body, directing the focus laser through the objective lens. The reflected beam returns through the objective lens and id focused onto the focus sensor.

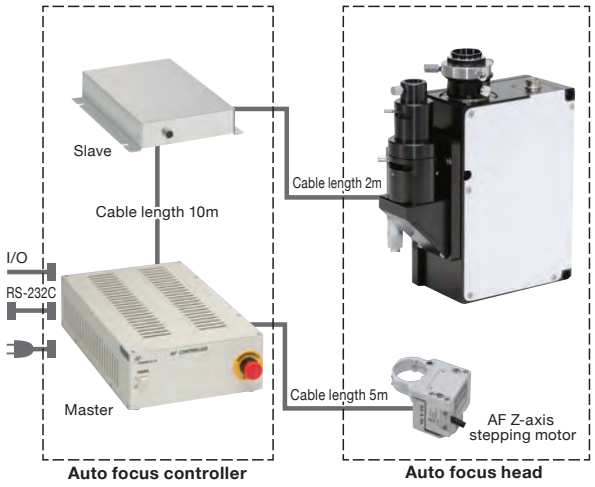
[Characteristics]

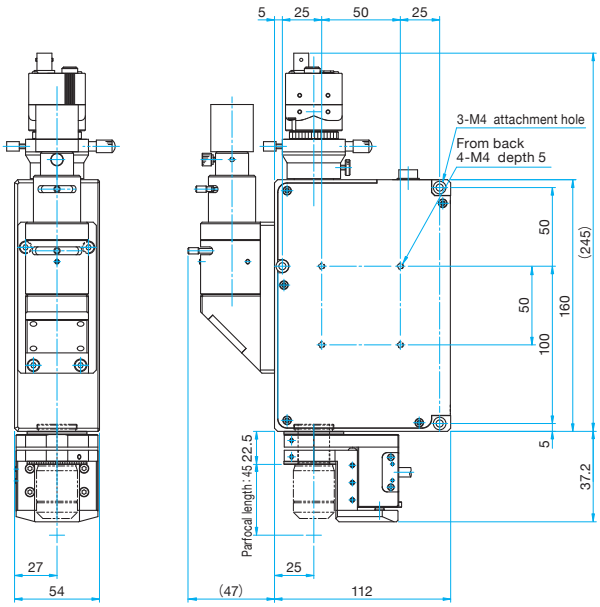
- High speed tracking with real-time adjustment of focus by only moving the objective lens.
- The Laser TTL method focusing system can be used for glass and film inspection.
- The small, compact design makes it easy to integrated into inspection equipment systems.
- Supports 1/2-inch or less CCD camera (C mount).

Specifications

Part Number	TAF-SS-OBL-3
Objective Lens	2× – 100×
Camera	C mount CCD camera (Size is less than 1/2″)
Focusing methods	TTL (Through The Lens), active method by semiconductor laser (equivalent to class 2, light output 2mW or less, wavelength 670nm)
Travel	3mm
Trace Range (Tracking capable range)	2×, 5×, 10× : ±1.5mm 20× : ±500μm 50× : ±250μm 100× : ±100μm
Reproducibility (Focus)	±6.0μm(5×), ±1.0μm(10×) ±0.5μm(20×, 50×, 100×)
Response frequency*	5Hz≦ * The specification differs by the combination of the actuator
Illumination optical systems	Coaxial epi-illumination (aperture stop built in)
Dimension	(W)160 × (H)258 × (D)47mm
Weight (head part)	1.6kg
Focus Actuator	SGSP-OBL-3 (stepping motor driving actuator)

Configuration



Outline Drawing

(in mm)