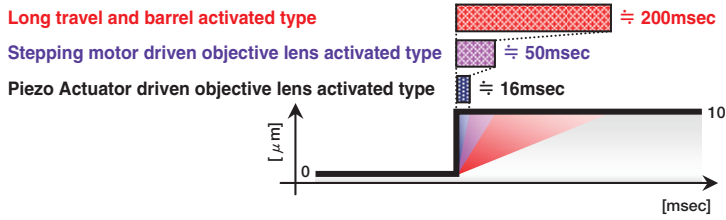


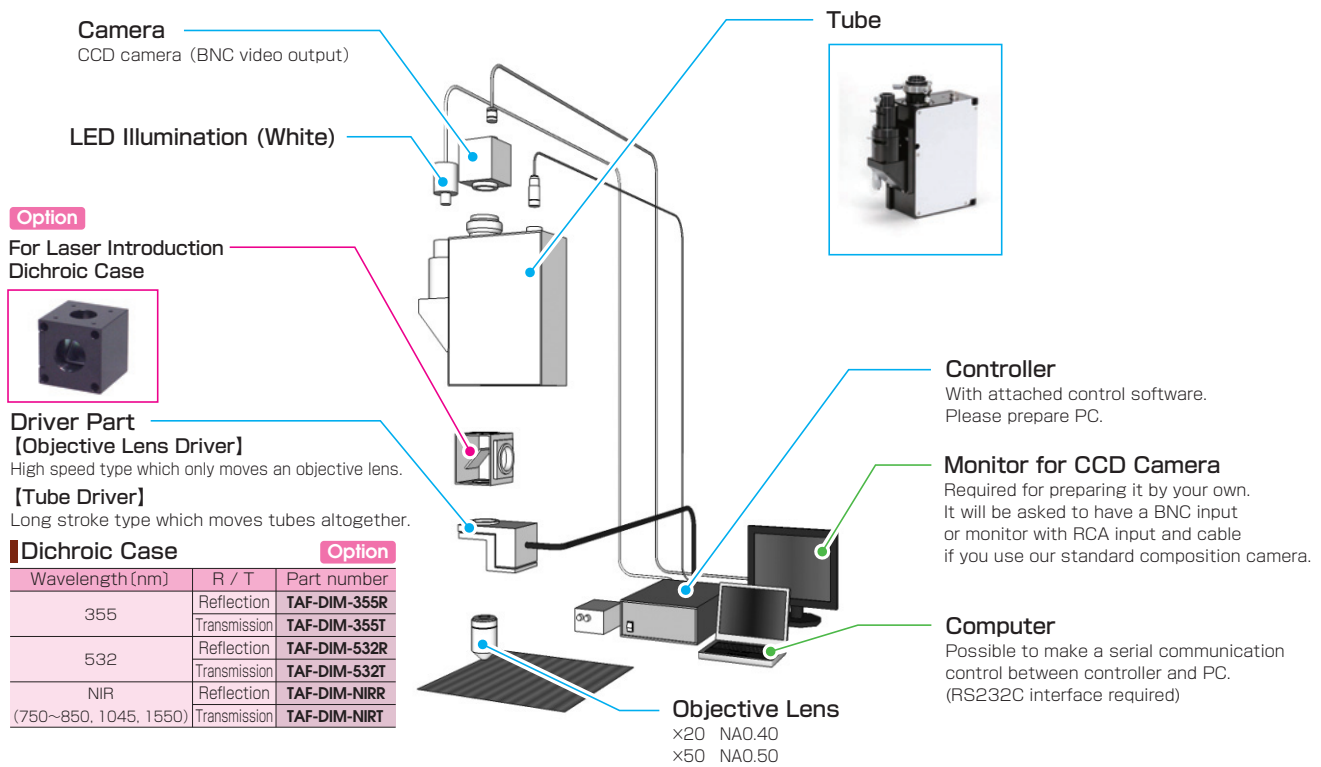


### High-speed Focusing (Company Product Comparison)

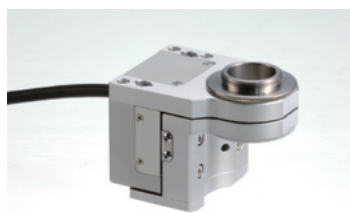


The figure shows time required for focusing for "Long travel and barrel activated type", which drives whole auto-focusing unit and "Stepping motor driven objective lens activated type" and "Piezo Actuator driven objective lens activated type", which only drive objective lens.

### TAF series System Diagram



### Actuator for Objective Lens



Stepping Motor type

- Standard System**  
 [Stepping Motor type]  
 · Travel  $\pm 1.5\text{mm}$   
 · Resolution
- High-speed System**  
 [Piezo Actuators type]  
 · Travel  $\pm 40\ \mu\text{m}$   
 · Resolution  $0.01\ \mu\text{m}$

### Example of Application : Auto-focusing Microscope



POST-H System : Controlling XY table by motorized stage