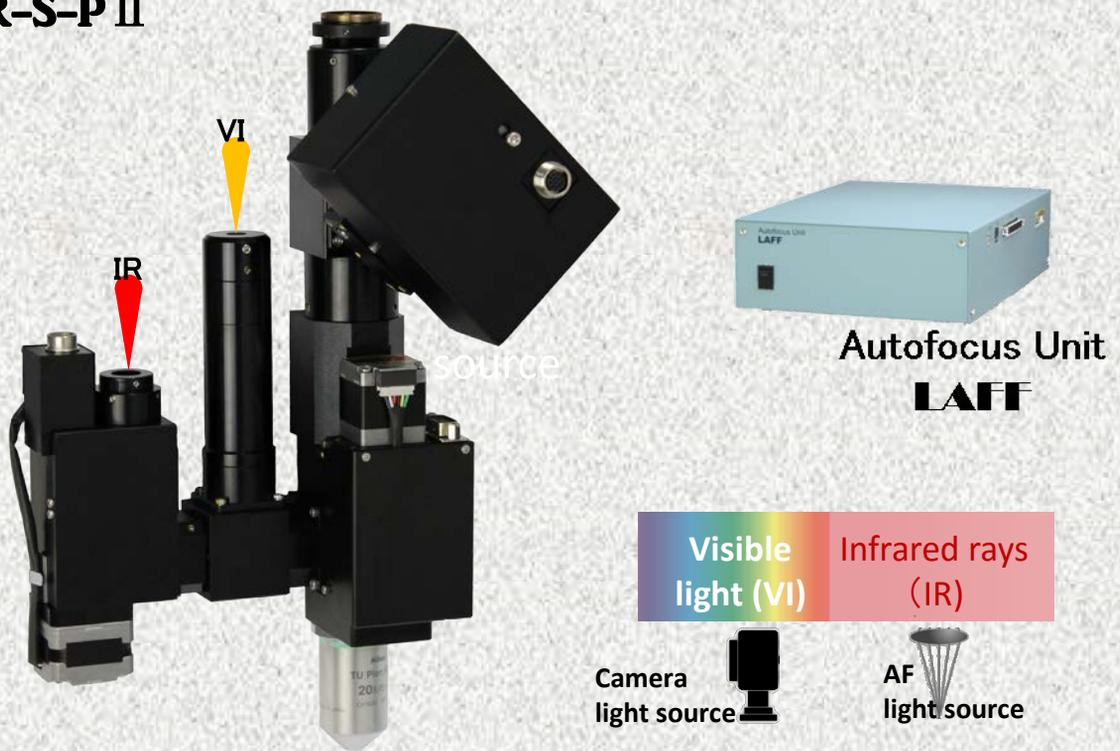


Faith

Tube type AF microscope Model UI-IR-S-P II

Autofocus unit was more compact and lightweight high-performance.

UI-IR-S-P II



UI series has miniaturization of and lightening the mirror body and the driving section while maintaining the performance of the Faith autofocus systems. UI-IR-S-P II using infrared (IR) to the autofocus light source.

Faith offers traditional trace type microscope auto focus equivalent function to at a reasonable price. Faith is the world's highest level of performance proposed in the price required by the market.

Faith is considered together with customers, we have established a follow-up system that can be proposed peace of mind even after the purchase a better system. For more information, please contact to our personnel.

Operation principle

Image of the sample illuminated by the camera light source is incorporated into only the imaging apparatus light of the illumination source.

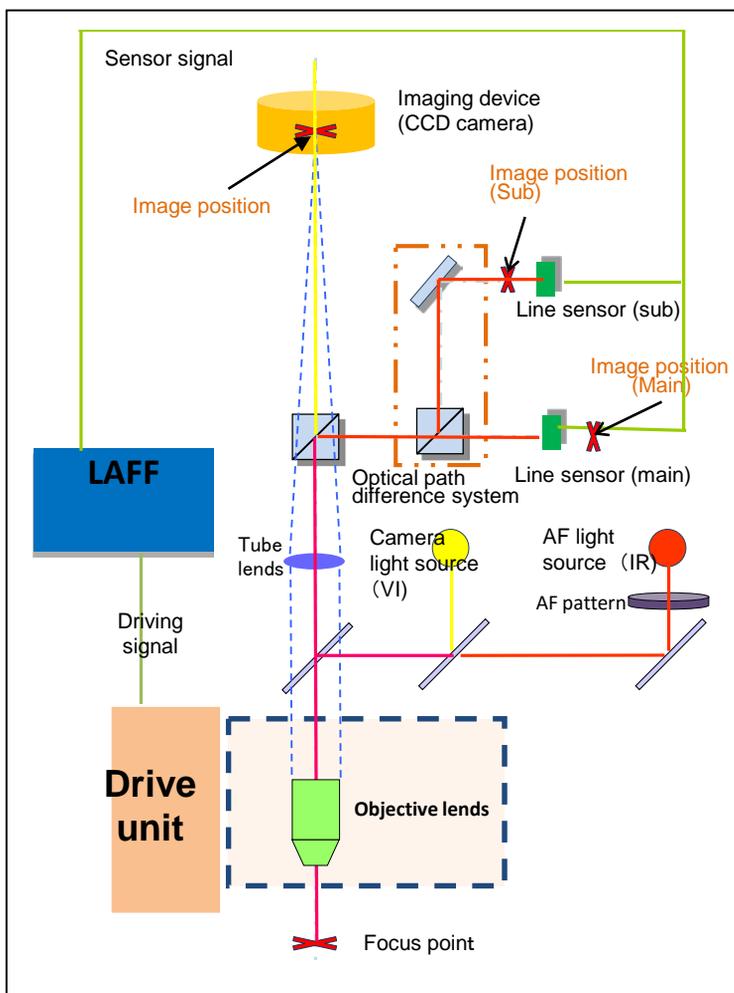
Striped pattern that is on the AF pattern is projected onto the sample by the AF light source. Only the light of the AF light source will reach the line sensor after splitting the optical axis by the beam splitter. Line sensor takes two of the light front and back of the imaging position.

It will branch to the imaging position (main) and imaging position (sub) by the optical path difference system.

Imaging position in front of the sensor is the main sensor. Imaging position the back of the sensor is a sub-sensor.

Position signal of the main sensor and the sub sensor are equal is the focus.

AF controller controls the drive unit to the position where the signal of the main sensor and the sub sensor is equal.



Basic specifications

Model	UI-IR-S-P II
AFunit	Unit - Simple (IR pattern)
Drive unit	ZA-S
Controller unit	LAFF
	Interface:USB/EXT:I/O
	AC: 100V~200V 1A
Adjustment software included	
Illumination unit	Selling separately
Microscope (Objective lenses)	NIKON CFI series Mitsutoyo M Plan Apo series
Observation	Bright field
Illumination	epi-illumination
Magnification	1x (Conditions there) - 100x
Search speed	0.3 sec (Objective lenses 20x, Search area $\pm 250\mu\text{m}$)
Camera	1 inch less. C mount camera
Sample	Glass (LCD, PDP), Plastic (micro lenses, C-MOS), Film (LCD film), Metal, Paper, Liquid. (Can not be to cope with it by the sample condition.)

- In some cases, performance does not come out by the use conditions.
- Specifications and design in product improvement might subject to change without notice.