



Inverted trinocular LED fluorescence microscope, IOS U-PLAN F objectives, 6MP camera with 12" monitor

<b>Observation Method -</b>		
Transmitted Light	Brightfield	Yes
	Phase contrast (Positive type)	As optional
Observation Method - Incident Light	Fluorescence	Yes
Main Body	Туре	Inverted
Wall body	Construction material	Aluminum die-cast
	Construction material	Aluminum die-cast
Head	Turce	Trippoular (Cindentenf)
neau	Type Split ratio	Trinocular (Siedentopf) 100/0 - 50/50
	Split ratio	45°
	Interpupillary distance (mm)	50-75
	Dioptric adjustement	On left tube
	Tube inner diameter (mm)	30
<b>F</b>		
Eyepieces	Field number (mm)	22
	Magnification	10x
	Planar type	Yes
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	26
	High eyepoint (for glass wearers)	Yes
	Rubber cup	Yes
	Retractable protections	Yes
Nosepiece	Positions	Quintuple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
Objectives	Optical system	∞
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	100x-400x
	Туре	IOS LWD U-PLAN F
		IOS LWD U-PLAN F
		10x/0.30, W.D. 7.11 mm
		IOS LWD U-PLAN F
		20x/0.45, W.D. 5.91 mm IOS LWD U-PLAN F
		40x/0.65, W.D. 1.61 mm

Store	Time	Fixed , Attachable machanical stars
Stage	Туре	Fixed + Attachable mechanical stage
	Dimensions (mm)	250x160 (fixed stage) 250x290 (with mechanical stage mounted)
	Moving mechanism	Rack and pinion
	Moving range (mm)	120x80
	Material	
	Glass round insert	Anti-scratch painting
		Included
	Metal round insert	
	Holder for Petri dish (mm)	54 (Included); 38, 65 (As optional)
	Holder for Terasaki plate	96 well (Included)
	Holder for 1 slide	Included
	Holder for 2 slides	As optional
	Holder for Utermöhl chamber	As optional
Condenser - Single	Туре	Abbe
Position	Removable	Yes
	Numerical aperture (N.A.)	0.30
	Diaphragms	Iris
	Long working distance	Yes
	Working distance (for LWD) (mm)	72
	Extendable working distance (for LWD) (mm)	up to 150
Focusing System	Туре	Coaxial coarse & fine
	Fine total travel (per single rotation) (mm)	0.2
	Fine graduations	100
	Fine resolution (µm)	2
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
Transmitted	Туре	X-LED
Illumination	X-LED type	X-LED8
	Light source power (W)	8
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	13
		15
Power Supply	Туре	External
	Microscope connector	Jack, 2.1 mm
	Power plug type	Multi-plug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60 Hz
	Output voltage	12 Vdc 7 A
	Oulput voltage	
Accessories Included	Dust cover	Yes
	Allen wrench	Yes
	I Iser Manual	
	User Manual	Digital version (downloadable)
Additional Information	User Manual	
Additional Information		Metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates (as optional).
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Additional Information Product Dimensions	Height (mm)	Metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates (as optional). 625
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Product Dimensions Product Weight	Height (mm) Width (mm) Depth (mm) (kg)	Metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates (as optional). 625 365 540 13.5 Up to 4 LED Emission: 460 nm.
Product Dimensions Product Weight Fluorescence	Height (mm) Width (mm) Depth (mm) (kg)	Metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates (as optional). 625 365 540 13.5 Up to 4 LED Emission: 460 nm. Excitation: 455 - 495 nm;
Product Dimensions Product Weight Fluorescence	Height (mm) Width (mm) Depth (mm) (kg) Number of LED Cubes	Metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates (as optional). 625 365 540 13.5 Up to 4 LED Emission: 460 nm. Excitation: 455 - 495 nm; Dichroic: 500 nm;
Product Dimensions Product Weight Fluorescence	Height (mm) Width (mm) Depth (mm) (kg) Number of LED Cubes	Metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates (as optional). 625 365 540 13.5 Up to 4 LED Emission: 460 nm. Excitation: 455 - 495 nm; Dichroic: 500 nm; Emission: 510LP nm
Product Dimensions Product Weight Fluorescence	Height (mm) Width (mm) Depth (mm) (kg) Number of LED Cubes BLUE LED Cube (Optional)	Metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates (as optional). 625 365 540 13.5 Up to 4 LED Emission: 460 nm. Excitation: 455 - 495 nm; Dichroic: 500 nm; Emission: 510LP nm LED Emission: 460 nm.
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		LED Emission: 523 nm.
	GREEN LED Cube (Optional)	Excitation: 510 - 550 nm;
		Dichroic: 570 nm;
		Emission: 575LP nm
		LED Emission: 523 nm.
		Excitation: 510 - 550 nm;
	GREEN BANDPASS LED Cube (Optional)	Dichroic: 570 nm;
		Emission: 585-625 nm
		LED Emission: 365 nm.
	UV LED Cube (Optional)	Excitation: 325 - 375 nm;
		Dichroic: 415 nm;
		Emission: 435LP nm
		LED Emission: 365 nm.
	UV BANDPASS LED Cube (Optional)	Excitation: 340 - 390 nm;
		Dichroic: 405 nm;
		Emission: 420-470 nm
		LED Emission: 405 nm.
		Excitation: 390 - 420 nm;
	V LED Cube (Optional)	Dichroic: 440 nm;
		Emission: 450LP nm
		LED Emission: 623 nm.
		Excitation: 590 - 650 nm;
	RED1 LED Cube (Optional)	
		Dichroic: 660 nm;
		Emission: 665LP nm
		LED Emission: 623 nm.
	RED2 LED Cube (Optional)	Excitation: 595 - 645 nm;
		Dichroic: 655 nm;
		Emission: 665-715 nm
		LED Emission: 660 nm.
		Excitation: 623 - 678 nm;
	DEEP RED LED Cube (Optional)	Dichroic: 685 nm;
		Emission: 690-750 nm
		LED Emission: 740 nm.
		Excitation: 720 - 760 nm;
	FAR RED LED Cube (Optional)	
		Dichroic: 770 nm;
		Emission: 780LP nm
		LED Emission: 590 nm.
	AMBER LED Cube (Optional)	Excitation: 582 - 603 nm;
		Dichroic: 610 nm;
		Dichroic: 610 nm; Emission: 615-645 nm
	Contact OPTIKA for other custor	Emission: 615-645 nm n LED Fluorescence Cube options
	Contact OPTIKA for other custor Filter set selection	Emission: 615-645 nm n LED Fluorescence Cube options Manual
	Contact OPTIKA for other custor Filter set selection LED source insertion	Emission: 615-645 nm n LED Fluorescence Cube options Manual Manual
	Contact OPTIKA for other custor Filter set selection LED source insertion Shutter	Emission: 615-645 nm n LED Fluorescence Cube options Manual Manual No
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	Contact OPTIKA for other custor Filter set selection LED source insertion Shutter Field diaphragm	Emission: 615-645 nm n LED Fluorescence Cube options Manual Manual No No
Eluorescence Light	Contact OPTIKA for other custor. Filter set selection LED source insertion Shutter Field diaphragm Aperture diaphragm	Emission: 615-645 nm <i>n LED Fluorescence Cube options</i> Manual Manual No No No
Fluorescence Light	Contact OPTIKA for other custor Filter set selection LED source insertion Shutter Field diaphragm Aperture diaphragm	Emission: 615-645 nm <i>n LED Fluorescence Cube options</i> Manual Manual No No LED Fluorescence Cube
Fluorescence Light Source	Contact OPTIKA for other custor Filter set selection LED source insertion Shutter Field diaphragm Aperture diaphragm Light source Light source power (W)	Emission: 615-645 nm <i>n LED Fluorescence Cube options</i> Manual Manual No No No LED Fluorescence Cube 3.5
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Display size	12"
Display resolution	1920x1080
Input ports	HDMI
Calibration slide	Yes
Wireless Mouse	Yes
Wireless Keyboard	Yes
OS	Windows 10 (64Bit)
SW	Optika ProView Image Analisys for fluorescence
Working Temperature	-10°C up to +50°C
Storage Temperature	-20°C up to +60°C
Relative Humidity	30% to 80%
Storage Humidity	10% to 60%
	Display resolution Input ports Calibration slide Wireless Mouse Wireless Keyboard OS SW Working Temperature Storage Temperature Relative Humidity