China

CE, Rohs

A16.0960

5~20 Days

5000 pcs/ Month

1 pc

CNOEC, OPTO-EDU

T/T, West Union, Paypal

Opto Edu A16.0960 Research Level Inverted Fluorescent Microscope Motorized Nosepiece Condenser

FOB \$1~1000, Depend on Order Quantity Carton Packing, For Export Transportation

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:
- · Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:



Product Specification

• Eyepiece:

Objective:

Focusing:

• Highlight:

- High Eyepoint Plan Eyepiece PL10X/22mm,diopter Adjustment Motorized Bright Filed Sextuple Nosepiece • Nosepiece: With DIC Slot. LWD Infinity Plan Semi-APO Positive Phase Contrast Objective • Working Stage: Manual Mechanical Stage, 300mm (X) X 240mm (Y), Motorized Coarse & Fine Coaxial Focusing Condenser: Mortorized LWD Unviersal 7 Positions Condenser With N.A.0.5
 - A16.0960 Inverted Fluorescent Microscope, **Research Level Inverted Fluorescent** Microscope

Motorized Nosepiece Inverted Fluorescent Microscope





💈 OPTO-EDU (BEIJING) CO., LTD

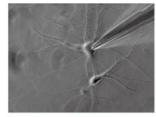
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A14.0960/A16.0960

A14.0960 Research Level Inverted Biological Microscope A16.0960 Research Level Inverted Fluorescent Microscope









Microinjection And Other Research And Applications

Cell Observation



A14.0960/A16.0960 Details

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► Elevation Adjustable Viewing Head

The A14.0960/A16.0960 is equipped with a 20-45° adjustable binocular viewing head, which can raise the eye point by 78mm

(65mm interpupillary distance) as required. It can be observed easily and quickly even in a standing state, which is effective avoiding fatigue of eyes and limbs.



Integrated Button

A14.0960/A16.0960 retains the traditional coarse and fine adjustment mode, cancels the gear mechanism, integrates electric

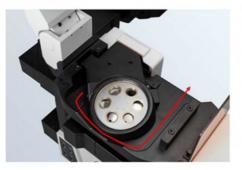
control technology and realizes manual and automatic integration. The brightness, objectives, attenuator turntable and fluorescent turntable can be quickly switched or rotated through the corresponding buttons on the button panels on both sides. AF one-key auto focus can quickly adjust the Z-axis height according to the real-time image, and eliminates the need for fine-adjusting steps and improves work efficiency.

► Low-position Platform Handwheel

The low-position platform handwheel can be rotated 360°, which can effectively reduce the hand fatigue caused by long-term operation and is ergonomic and improves the convenience of operation.

Tilting Transmission Lighting Structure

The tilting structure of the transmission bracket ensures a large working space for users and facilitates the replacement of specimens.





► Waste Liquid Drainage Structure

The drainage groove structure is designed under the objective nosepiece, which can prevent the optical components and modules from accidentally being wetted by the cell culture medium or soaking liquid, contaminating and damaging the microscope, simplifying maintenance.

Integrated Panel Control

A14.0960/16.0960 front digital display screen can display the status of multiple components such as microscope objective lens magnification, brightness, and fluorescence band in real time, and can complete the setting of all observation methods, the selection of optical port status, and the switch of fluorescence shutter. Greatly enhance the customer experience and make research work more convenient.





High Scalability

The A14.0960/A16.0960 has a very large rack that provides redundant space for third-party configurations. You can choose single, layer or double-layer optical path according to your needs, up to 16 color filters can be replaced; Multi-light port design can be equipped with confocal module, wide, field fluorescent camera, infrared camera, etc., which provides maximum scalability for the research work.

► LWD Semi-APO Series Objectives

Full series of LWD semi-APO objectives were developed for cell culture. The objectives with correction ring have significant advantage for the observation of glass substrates and culture vessels with different thickness, and achieves accurate focusing by correcting the cover glass thickness.

		BF	DF	DIC	POL	FL	PH	RPC	
	4X/0.13, WD=17mm,	V			√	√	√		A5C.0960-4
LWD Infinity Plan Positive Phase Contrast Objective	10X/0.30, WD=8.8mm,	1		1	1	1	1		A5C.0960-10
	20X/0.45, WD=6.5~7.6mm, 0~2mm Cover glass thickness	V	√	V	V	V	~		A5C.0960-20
	40X/0.60, WD=2.85~4.05mm, 0~2mm Cover glass thickness	V	V	V	V	V	V		A5C.0960-40
	60X/0.70, WD=1.42~2.10mm, 0~1.3mm Cover glass thickness	\checkmark	1	V	V	V	~		A5C.0960-60
LWD Infinity PlanSemi- APO Objective	4X/0.13, WD=17mm,	√			1	√			A5F.0961-4
	10X/0.30, WD=8.8mm,	V		1	√	1			A5F.0961-10
	20X/0.45, WD=6.5~7.6mm, 0~2mm Cover glass thickness	V	1	V	V	V			A5F.0961-20
	40X/0.60, WD=2.85~4.05mm, 0~2mm Cover glass thickness	V	~	V	V	V			A5F.0961-40
	60X/0.70, WD=1.42~2.10mm, 0~1.3mm Cover glass thickness	V	V	V	V	V			A5F.0961-60
	4X/0.16, WD=12.8mm	√			√	√			A5F.0962-4
	10X/0.40, WD=3.2mm	V	1	√	√	1			A5F.0962-10
	20X/0.75, WD=0.6mm	~	1	√	√	1			A5F.0962-20
Infinity Plan	40X/0.95, WD=0.15mm	√		√	1	1			A5F.0962-40
APOchromatic Objective	60X/0.90, WD=0.26mm	√		√	1	1			A5F.0962-60
	60X/1.25, WD=0.14mm Oil	\checkmark			√	1			A5F.0962-60S
	100X/1.35, WD=0.13mm Oil	V			V	V			A5F.0962-100
	10X/0.14, WD=3.1mm	\checkmark			√	√			A5F.0963-10
	20X/0.80, WD=0.6mm	√			√	√			A5F.0963-20
Infinity Plan Super APO Objective	40X/0.95, WD=0.18mm	V			√	1			A5F.0963-40
	60X/1.42, WD=0.17mm Oil	\checkmark			√	V			A5F.0963-60
	100X/1.45, WD=0.14mm Oil (Under development)	V			V	1			A5F.0963-100
	10X/0.30, WD=8.8mm,	V	V	V	V	V		V	A5C.0965-10
LWD Infinity Plan Semi- APO Relief Hoffman Phase Contrast	20X/0.45, WD=6.5~7.6mm, 0~2mm Cover glass thickness	V	1	V	V	V		~	A5C.0965-20
Objectives	40X/0.45, WD=2.85~4.05mm, 0~2mm Cover glass thickness	V	~	~	~	1		~	A5C.0965-40



Infinity correction plan APO objectives





LWD plan semi-APO Relief phase contrast objectives



LWD plan semi-APO objectives



LWD plan semi-APO phase contrast objectives

Cool LED High-performance Fluorescent Light Source



Compact LED power box, is able to provide illumination to excite common fluorescent filter with different wavelengths, is available to be applied for multi-channel fluorescent filters.



A14.0960/A16.0960 Specification



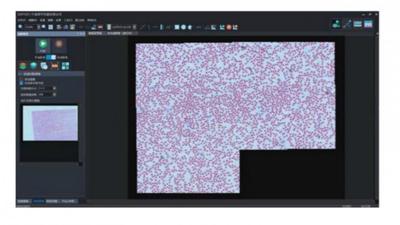
	A14.0960	A16.096		
	A16.0960 Research Level Inverted Fluorescent Microscope BF, Bright Field		•	•
	PH, Phase Contrast		•	•
unction	POL, Polarizing		0	0
	DIC, Differential Interfied Contrast		0	0
	Relief Hoffoman Phase Contrast		0	0
lead	20º-45º tilting Binocular head, inverted image, interpupillary distance: 50mm~76mm	A53.0960	•	•
Eyepiece	High eyepoint plan eyepiece PL10X/22mm,diopter adjustment	A51.0904- 1022T	••	••
Vosepiece	Motorized bright filed sextuple nosepiece with DIC slot.	10221	•	
	4X/0.13, WD=17mm,	A5C.0960-4	•	•
Semi-APO	10X/0.30, WD=8.8mm,	A5C.0960-10		
			•	•
Contrast	20X/0.45, WD=6.5~7.6mm, 0~2mm Cover glass thickness	A5C.0960-20	•	•
Dijective	40X/0.60, WD=2.85~4.05mm, 0~2mm Cover glass thickness	A5C.0960-40	•	•
Djective	60X/0.70, WD=1.42~2.10mm, 0~1.3mm Cover glass thickness	A5C.0960-60	•	•
	4X/0.13, WD=17mm,	A5F.0961-4	0	0
WD Infinity Plan	10X/0.30, WD=8.8mm,	A5F.0961-10	0	0
	20X/0.45, WD=6.5~7.6mm, 0~2mm Cover glass thickness	A5F.0961-20	0	0
Objective	40X/0.60, WD=2.85~4.05mm, 0~2mm Cover glass thickness	A5F.0961-40	0	0
	60X/0.70, WD=1.42~2.10mm, 0~1.3mm Cover glass thickness	A5F.0961-60	0	0
	4X/0.16, WD=12.8mm	A5F.0962-4	0	0
	10X/0.40, WD=3.2mm	A5F.0962-10	0	0
la finita Dina	20X/0.75, WD=0.6mm	A5F.0962-20	0	0
nfinity Plan	40X/0.95, WD=0.15mm	A5F.0962-40	0	0
bjeelive	60X/0.90, WD=0.26mm	A5F.0962-60	0	0
	60X/1.25, WD=0.14mm Oil	A5F.0962-60S	0	0
	100X/1.35, WD=0.13mm Oil	A5F.0962-100	0	0
	10X/0.14, WD=3.1mm	A5F.0963-10	0	0
nfinity Plan	20X/0.80, WD=0.6mm	A5F.0963-20	0	0
Super APO	40X/0.95, WD=0.18mm	A5F.0963-40	0	0
Objective	60X/1.42, WD=0.17mm Oil	A5F.0963-60	0	0
	100X/1.45, WD=0.14mm Oil (Under development)	A5F.0963-100	0	0
Working Stage	Manual mechanical stage, 300mm (X) × 240mm (Y), moving range is 135mm (X) × 85mm (Y),stage thickness is 30mm. Lower universal right side handle. With lock function. During locking, moving range 50mm (X) × 50mm (Y). It can use with 35mm petri dish holder, culture flask holder, sliced holder, Φ 110mm replaceable disc stage with clips.	A54.0960	•	•
	Stage: Motorized, 260*153mm with working range 110*75mm, The maximum speed is 3mm/s, the repeat positioning accuracy is ±1um, and it can be adapted to petri dish and slice observation	A54.0963	0	0
	Marzhauser Motorized stage, moving range: 120 mm(X) x 80mm(Y); resolution: 0.02μ m, repeatability <1 μ m, with control box and operating handle, with slider holder.		0	0
larzhauser Iotorized Stage	φ36 Petri dish holder,used with Marzhauser-SCAN	A54.0961	0	0
Jaye	96-well plate petri dish holder, used with Marzhauser-SCAN		0	0
	Teraseki holder,used with Marzhauser-SCAN		0	0
Prior Motorized Stage	Prior Motorized stage, moving range: 114mm(X) x 75mm(Y), resolution: 0.01µm, repeatability:0.2 µm, with control box and operating handle.		0	0
	φ36 Petri dish holder,used with Prior stage.	A54.0962	0	0
	96-well plate petri dish holder, used with Prior stage.	1	0	0
	Teraseki holder, used with Prior stage.	1	0	0
	Motorized coarse & fine coaxial focusing, range: 10.5mm, precision: 1 μm. Motorized left camera port, splitting ratio:0:100, 50:50, 100:0. Motorized upper camera port, splitting ratio: 100:0, 0:100,with CTV adapter Dual optical path, with fluorescent light barrier.		•	•
	Base mounting bracket anti-vibration	A54.0960-AV	0	0
	Right camera port, manual two gears switching, splitting ratio; 100:0, 0:100, POV16mm.	A55.0960	0	0

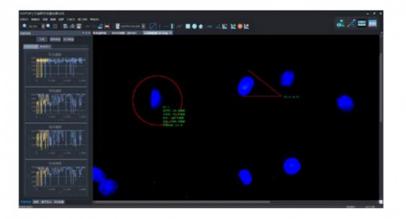
Condenser B	ø30mm for Phase contrast observation. 4 positions ø38mm, External connecting cable 100cm	A56.0962	•	•
	Work For BF, PH, DIC.			
	4X phase contrast aperture group	A5C.0962-4	•	•
Phase Contrast	10X phase contrast aperture group	A5C.0962-10	•	•
or B	20X/40X/60X phase contrast aperture group	A5C.0962- 204060	•	•
	DIC slider & Analyzer for transmitted light, Need to select Objectives:			
	A5F.0961-10x,20x,40x,60x	A5C.0964	Во	Во
	A5F.0962-10x,20x,40x,60x	A30.0304		
DIC for A,B	A5C.0960-10x,20x,40x,60x			
	10X DIC ring, compatible with condenser B	A5C.0964-10	Bo	Bo
	20X DIC ring, compatible with condenser B	A5C.0964-20	Во	Bo
	40X/60X DIC ring, compatible with condenser B	A5C.0964- 4060	Во	Во
	Manual 5 positions LWD condenser, NA0.30, WD73mm, to meet 4X-60X phase contrast,			
Condenser C	simple polarization or 10X-40X RPC relief contrast.	A56.0963	0	0
	Work For BF, PH, POL, Relief			
	4X phase contrast aperture group	A5C.0963-4	Co	Co
Phase Contrast for C	10X phase contrast aperture group	A5C.0963-10	Co	Co
	20X/40X/60X phase contrast aperture group	A5C.0963- 204060	Co	Co
	Analyzan MUCT be calculated for D-W-611-ffreers			0
Polarizing for C	Analyzer, MUST be selected for Reflief Hoffman	A5P.0963-A	Co	Co
	360° rotatable polarizer, MUST be selected for Reflief Hoffman	A5P.0963-P	Co	Co
	10X aperture group, compatible with condenser C	A5C.0965-10S	Co	Co
	20X aperture group, compatible with condenser C	A5C.0965-20S	Co	Co
Relief Hoffman	40X aperture group, compatible with condenser C	A5C.0965-40S	Co	Co
Phase Contrast	LWD Infinity Plan Semi-APO Relief Hoffman Phase Contrast Objectives	A5C.0965	Co	Co
Slide & Objective	10X/0.30, WD=8.8mm,	A5C.0965-10	Co	Co
	20X/0.45, WD=6.5~7.6mm, 0~2mm Cover glass thickness	A5C.0965-20	Co	Co
	40X/0.45, WD=2.85~4.05mm, 0~2mm Cover glass thickness	A5C.0965-40	Co	Co
	Tilting transmited light system, transmited Kohler light system, Condenser lifting	A56.0960	•	
	adjustable, range: 65mm, able to set 4 filters.			
	10W Cool LED Light Box, color temperature 5000K	A56.0960-LED	0	0
Transmit Light	12V100W halogen illumination box, filament center preset.	A56.0960-HAL	•	•
-	12V100W halogen lamp 7724	A56.0960-	••	••
		12100		
	LBD filter	A56.0960-LBD	•	•
	Green filter	A56.0960-G	•	•
	L-shaped design reflection fluorescence illuminator.with attenuation plate.	_	х	•
	100W Fluorescence mercury light box	A5F.0960-	х	•
	100W mercury lamp power supply unit (U5 power supply unit)	MER	х	•
Reflect	100W Mercury Lamp (OSRAM)		х	•
Fluorescent	5 positions Motorized filter wheel is offered for both excitation and observation,	A5F.0960-FW	x	о
Mercury Light	BF/Shutter/ND6/ND25/ND50; External connecting cable 100cm			
	Extension accessories	A5F.0960-EX	х	•
	Multi-band LED Light Source Module, with four excitation channels,10W high-power LED	A5F.0960- LED4	х	o
	Motorized turret with 8 positions, built-in shutter, External connecting cable 20cm	A5F.0960-60	x	•
	Rotary disk dustproof box	A5F.0960-DB	x	•
	Fluorescence filter(B) (CHROMA)	A5F.0960-B	x	
Fluorescent Filter	Fluorescence filter(G) (CHROMA)	A5F.0960-G	x	•
	Fluorescence filter(UV) (CHROMA)	A5F.0960-UV	x	•
	Fluorescence filter(R1) (CHROMA) EX:AT620/50X, BS: AT655DC, EM: AT690/50M	A5F.0960-R1	x	0
	Need buy computer too to meet electric control, including MV-image-Research	A54.0966-USB	•	•
CAN Card	Need buy computer too to meet electric control, including MV-image-Research	A54.0966-	0	0
I	Doll Computer Processon T3650/i7 11700/16CD/056CD / 1TD/D600\ . D0700U	PCIE	^	-
Computer	Dell Computer Precision T3650(i7 11700/16GB/256GB+1TB/P620) + P2722H 7" screen, Motorized control unit	A54.0966-PC	0	0
		A54.0966-TPC A54.0966-EC	0	0
	External connecting cable 200cm, computer connect with power supply box.	704.0300-EC	•	•
Power supply	External system controller.All motorized units are powered by this. Voltage input:90-265V,output:12V100W/24V5A/15V5A/5V5A	1	•	•
ower supply	External connecting cable 200cm, power supply box connect to microscope		-	•
		A59.0960-	•	•
	SONY IMX267 color camera,CCD 8.9M, 32fps@8.9MP,USB3.0,Sensor 1"	8.9M	0	0
	SONY IMX264 color camera,CCD 5.0M, 35fps@5MP,USB3.0,Sensor 2/3"	A59.0960- 5.0M	•	•
	SONY ICX695 color camera,CCD 6.0M, 7.5fps@6MP,USB3.0,Sensor 1"	A59.0960- 6.0M	0	o
Digital Camera	SONY ICX695 color cold camera,CCD 6.0M, 7.5fps@6MP,USB3.0,Sensor 1"	A59.0960- 6.0MC	0	0
Digital Camera	SONY ICX695 color cold camera,CCD 6.0M, 7.5fps@6MP,USB3.0,Sensor 1" SONY ICX695 mono color camera,6.0M, 7.5fps@6MP,USB3.0,CCD 1"		0	0

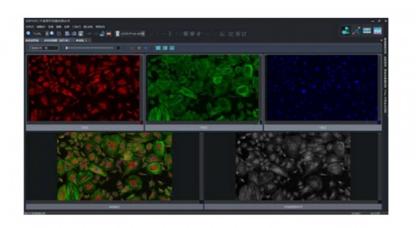
	SONY ICX695 mono color cold camera,6.0M, 7.5fps@6MP,USB3.0,CCD 1"	A59.0960- 6.0MMC	0	o
	RISI 9.9M mono color camera(2960x2960), field of view 17.8mm, pixel size 4.25x 4.25um, 30 fps, 73% quantum efficiency, sensor 17.8mm	A59.0960- 9.9M	0	0
Telescope	Phase Contrast Telescope Φ30	A5C.0910-30	•	•
	Fluorescence Telescope	A5F.0930-2	х	•
	C-mount adaptor 0.5X	A55.0930-05	0	0
	C-mount adaptor 0.65X	A55.0930-65	•	•
	C-mount adaptor 1X	A55.0930-10	0	0
Accessories	Allen wrench M3		••	••
	Allen wrench M4		••	••
	Allen wrench M5		•	•
	Non-fluorescing immersion oil		••	0
Packaging	Carton and foam		•	•
lemark	 means standard outfit, 'o' means optional outfit, 'x' means not compatible, 'A','B','C' means A,B or C 	ans only compatit	ble for specif	ic conder

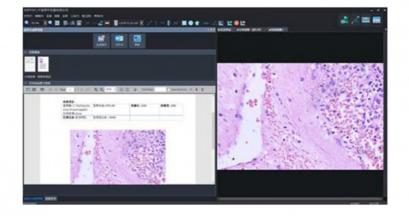
A14.0960/A16.0960 Software



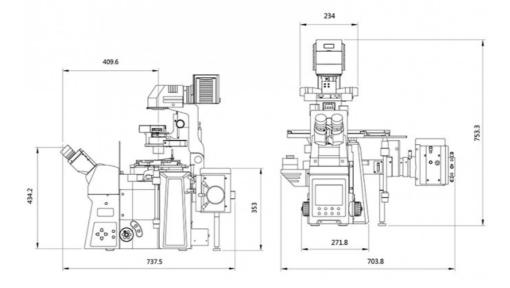


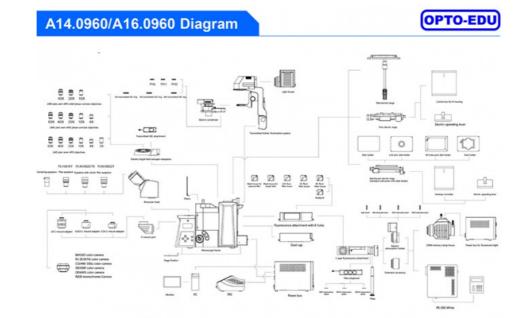












A14.0960/A16.0960 Upgraded



Laser Confocal Scanning Microscope

A14.0960/A16.0960 More Pictures

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