

0.7-4.5X Monocular Zoom Lens



Main Feature

- ◆Made of building block structure, parallel optical system
- ◆0.7-4.5X zoom magnification, 6.4:1 zoom ratio
- ◆Working distance is 86mm. Standard C mount
- ◆Mounting size for focusing mount (holder) Dia. ϕ 39.6mm
- ◆Max sensor size: 2/3"
- ◆high hardness wear-resistant aluminum alloy materials, anode oxidation surface treatment, long service life
- ◆Different mag. CTV mount optional: 0.3X, 0.45X, 0.75X, 1X (standard), 1.5X, 2X, 3X
- ◆Different mag. Auxiliary objective optional: 0.3X, 0.4X, 0.5X, 0.6X, 0.75X, 1.5X, 2X
- ◆Ring light or coaxial light optional to meet different required.



Optical Parameter

Magnification	Working distance	Depth of view	NA	Resolution
0.7X	86mm	2.04mm	0.025mm	0.014mm
1.0X	86mm	1.21mm	0.033mm	0.010mm
2.0X	86mm	0.38mm	0.053mm	0.006mm
3.0X	86mm	0.20mm	0.067mm	0.005mm
4.0X	86mm	0.13mm	0.079mm	0.004mm
4.5X	86mm	0.09mm	0.090mm	0.004mm

Product Pictures



FB0745 standard model



FB0745C coaxial light





FB0745C+APO



FB0745C+nosepiece+APO



**FB0745+Objective angle Device 90°
Reverted image**



**FB0745+Objective angle Device 90°
erect image**



Optional Accessory

Model	Name	Description
C6503	CTV mount	0.3X,Standard C-mount
C65045	CTV mount	0.45X,Standard C-mount
C6505	CTV mount	0.5X,Standard C-mount
C65067	CTV mount	0.67X,Standard C-mount
C65075	CTV mount	0.75X,Standard C-mount
C6510	CTV mount	1X,Standard C-mount
C6515	CTV mount	1.5X,Standard C-mount
C6520	CTV mount	2X,Standard C-mount
C6530	CTV mount	3X,Standard C-mount
C6505R	C-mount with iris	0.5X,Standard C-mount
C6510R	C-mount with iris	1X,Standard C-mount design
AW6503	Auxiliary objective	0.3X, WD.270mm, use for 1X objective
AW6504	Auxiliary objective	0.4X, WD.195mm, use for 1X objective
AW6505	Auxiliary objective	0.5X ,WD.160mm, use for 1X objective
AW6506	Auxiliary objective	0.6X, WD.130mm, use for 1X objective
AW65075	Auxiliary objective	0.75X, WD.105mm, use for 1X objective
AW6515	Auxiliary objective	1.5X , WD.50mm, use for 1X objective
AW6520	Auxiliary objective	2.0X , WD.39mm, use for 1X objective
LC6511	Coaxial device	For FB65 series lens , adaptor for light is 11mm
LC6511P	Polarized coaxial device	For FB65 series lens , adaptor for light is 11mm
L6511	LED Point light	3W,For LC6511 and LC6511P, adaptor size is 11mm, standard color: white, red/green/blue/green/purple color optional
L6511I	LED Point light (Numerically adjustable)	3W,For LC6511 and LC6511P, adaptor size is 11mm, standard color: white, red/green/blue/green/purple color optional



LR65	LED Ring light	input voltage: AC110-240V, output voltage: 12V, power: 3-5W, White color(red, yellow, blue, green and infrared 850nm/950nm color optional), LED quantity: 52pcs
LR65P	Polarized Ring light	input voltage: AC110-240V, output voltage: 12V, power: 3-5W, White color(red, yellow, blue, green and infrared 850nm/950nm color optional), LED quantity: 52pcs
ZPXY20-4	Objective nosepiece	Four holes for 20.3mm thread objective lens
ZPXY26-4	Objective nosepiece	Four holes for 26mm thread objective lens
ZP20-3	Objective nosepiece	Three holes for 20.3mm or 26mm thread objective lens
FW235U	Infinity Plan Achromatic Objective	Mag. 5X; Numerical Aperture:0.12; W.D. 26.1mm
FW2310U	Infinity Plan Achromatic Objective	Mag. 10X; Numerical Aperture:0.25; W.D. 20.2mm
FW2320U	Infinity Plan Achromatic Objective	Mag. 20X; Numerical Aperture:0.40; W.D. 8.8mm
FW2340U	Infinity Plan Achromatic Objective	Mag. 40X; Numerical Aperture:0.60; W.D. 3.98mm
FW2350U	Infinity Plan Achromatic Objective	Mag. 50X; Numerical Aperture:0.7; W.D. 3.68mm
FW2360U	Infinity Plan Achromatic Objective	Mag. 60X; Numerical Aperture:0.75; W.D. 1.22mm
FW2360UA	Infinity Plan Achromatic Objective	Mag.60X; Numerical Aperture:0.7; W.D. 3.18mm
FW2380U	Infinity Plan Achromatic Objective	Mag.80X; Numerical Aperture:0.8; W.D. 1.25mm
FW23100U	Infinity Plan Achromatic Objective	Mag.100X; Numerical Aperture:0.85; W.D. 0.4mm
FWPA2X	LWD APO objective	2X,NA.=0.075mm WD=50mm
FWPA4X	LWD APO objective	4X,NA.=0.15mm WD=36mm
FWPA4.5X	LWD APO objective	4.5X,NA.=0.18mm WD=36mm
FWUF10X-95M	LWD APO objective	10X,NA.=0.3mm WD=38mm
FWPA20X	LWD APO objective	20X,NA.=0.35mm WD=29mm
FWUF50X-95M	LWD APO objective	50X,NA.=0.45mm WD=20.1mm
H650M	Monocular eyepiece tube	0.67X C-mount with 10X/18mm eyepiece
C6510D	Two output C mount	Standard C mount
OD6590	Objective Device 90° angle	Reverted image
OD65180	Objective Device 90° angle	erect image



 <p>0.3X 0.45X 0.5X 1.5X 2.0X</p>	 <p>1.0X 0.5X</p>	
C mount	C mount with iris	Auxiliary objective
		
Coaxial device	Polarized coaxial device	LED point light
		
LED point light (Numerically adjustable)	LED ring light	Polarized LED ring light
		
3 holes nosepiece	4 holes nosepiece (20.3mm thread)	4 holes nosepiece (26mm thread)



		
<p>Infinity plan achromatic objective</p>	<p>LWD APO objective</p>	<p>Objective angle Device 90° Reverted image</p>
		
<p>Objective angle Device 90° erect image</p>	<p>Monocular tube eyepiece</p>	<p>Two output C mount</p>