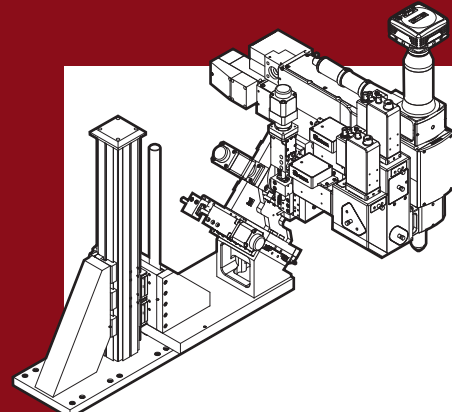
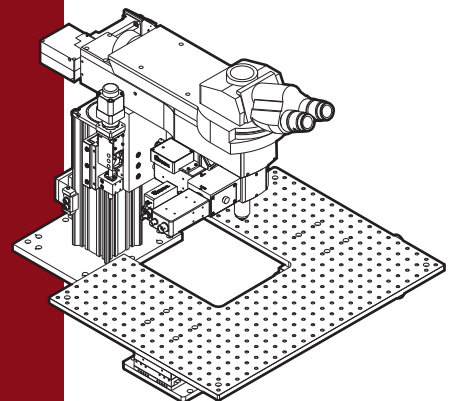


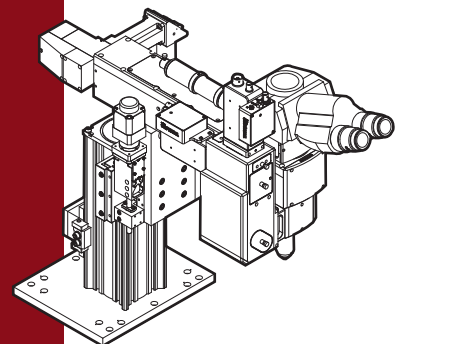
# Bergamo II Series Multiphoton Microscopes



**Bergamo II Series Configuration B248**  
This configuration provides XYZ +  $\theta$  motion for the objective, with 5" of coarse Z travel and a rotation range of -5° to +95°. It is equipped with a scientific camera for widefield viewing, as well as 4 PMTs, extended FOV collection optics, and dual scan paths.



**Bergamo II Series Configuration B212**  
This configuration offers Z-axis motion for the objective, with an XY platform that moves the experimental apparatus. It is outfitted with trinoculars for widefield viewing, as well as 2 PMTs, full FOV collection optics, and a galvo-galvo scan path.



**Bergamo II Series Configuration B206**  
This configuration provides Z-axis motion for the objective. It is equipped with trinoculars for widefield viewing, as well as 2 PMTs, extended FOV collection optics, and a galvo-resonant scan path.

**DIC Components**

Nikon MBH76240 DIC Slider 40X, Plan Fluor	Nikon MBH76720 DIC Slider 16X	Nikon MBN71950 FN-IR/FA IR & VIS DIC Analyzer	WFA3000 DIC Turret Adapter
Nikon MBH76640 DIC Slider 40X, APO NIR (N2)	Nikon MBH76720 DIC Slider 25X	Nikon MBH72300 N2 Dry (10X)	Nikon MBD75300 FN-PT Polarizer Turret
Nikon MBH76160 DIC Slider 60X API NIR (N2)	Nikon MBN71946 FN-P Visible DIC	Nikon MBH72310 N2 Dry Prism (16-100X) for VIS & IR Polarizers	

**LED Drivers**

LEDD1B 1 Ch	DC4100 4 Ch, 1 Mod Input	DC4104 4 Ch, 4 Mod Input
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**Laser-Scanned Dot for Galvo/Res**

400-1100 nm (WFA1130)	Galvo/Res 800-1800 nm (WFA1140)	Galvo/Galvo 400-1100 nm (WFA1150)	Galvo/Galvo 800-1800 nm (WFA1160)
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**Transmitted Light Illumination Kits**

WFA1010 VIS LED	WFA1020 NIR LED	WFA1050 VIS & NIR LEDs	WFA1100 Dot Contrast	WFA1000 Brightfield/DIC
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**Condensers**

BSA2000 Compact Condenser Mounting Arm	CSA2000 Condenser Mounting Arm	ZFM2000 Condenser Focus Module
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**Condensers**

Nikon MBL70100 FN-C LWD 0.78 NA	Nikon MBL78600 D-CUD Universal 0.9 NA	Nikon MBL78700 D-CUO DIC Oil 1.4 NA
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**Trinoculars Recommended Only for Standard Bodies**

WFA4000 Nikon Trinoculars w/ Eyepieces & IR Filter	WFA4002 Erect-Image Trinoculars w/ Eyepieces & IR Filter
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**Widefield Epi-Illuminator**

WFA4100 1X Camera Port	WFA4101 0.75X Camera Port	WFA4102 0.5X Camera Port	WFA4105 Nikon Y-TV Tube & C-Mount Adapter	WFA4106 Nikon Y-TV Tube & 0.7X C-Mount Adapter	WFA4107 Nikon TI-3 Tube & C-Mount Adapter	WFA4108 Nikon TI-3 Tube & 0.7X C-Mount Adapter
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**Epi-Illumination Source**

High-Power Mounted LEDs (Only for WFA2001 Epi-Illuminator)	HPLS243 Plasma Light Source	X-CITE 200 DC-Stabilized Fluorescence Light Source
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**Thorlabs Scientific Cameras**

1500M-GE 1.4 MP Scientific Camera	4070M-GE 4 MP Scientific Camera	8050M-GE 8 MP Scientific Camera	340M-GE Fast Frame Rate Scientific Camera
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**BCM-PA Variable Attenuator**

**BCM-PCA Pockels Cell**

**PMT2100 Compact Non-Cooled GaAsP**

**PMTs with Preamps & PSU**

**FDM2213 2 Ch**

**BCM-VBE Variable Beam Expander**

**Only for Standard Bodies**

**Step 1: Bergamo II Body**

**Body Choice Determines Available Accessories**

**Step 2: Motion Controller**

**Step 3: Scan Path(s)**

**Step 4: Secondary Path Periscope**

**Step 5: Uncaged Path Fiber Launch**

**Step 6: Primary Reflector/Dichroic**

**Step 7: Dichroic Holder**

**Step 8: Dual Objective Nosepiece**

**Step 9: Objectives & Accessories**

**Step 10: Epi-Direction Detectors**

**Step 11: Sample Stages**

**Step 12: Epi-Fluorescence**

**Step 13: Widefield Viewing Accessories**

**Step 14: Transmitted Light Imaging (for Standard Bodies)**

**Step 15: Forward-Direction Detectors**

**Step 16: Beam Conditioning Modules**

**ELB4000 Elevator Base w/ XYZ +  $\theta$  Rotating Body, -5° to +95°**

**ELB4050 Elevator Base w/ XYZ +  $\theta$  Rotating Body, -50° to +50° (Single Path Only)**

**EMB1000 Z-Axis Standard Body**

**EMB3000 XYZ Standard Body**

**Sample Holders**

Stand & MLS Insert Holder	Stand & Sample Holder	Stand & Slide Holder
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**Sample Stages**

PMP1000(M) Manual 2" Translating XY Platform	PMP-2XY(M) Motorized 2" Translating XY Platform
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**Motion Control**

PLS-X 1D 1"	PLS-XY 2D 1" XY Stage
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**Epi-Detection Modules**

BDM1208 2 Ch, 8° Collection	BDM2210(S) 2 Ch, 10° Collection (w/o or w/ Shutters)	BDM2410(S) 4 Ch, 10° Collection (w/o or w/ Shutters)	BDM3214(S) 2 Ch, 14° Collection (w/o or w/ Shutters)
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**MCM3000 3-Axis Controller (Required for Condenser in Step 14)**

**MCM5000 5-Axis Controller (Required for Rotating Bodies)**

**OPX1100 Primary Galvo/Resonant Path**

**OPX2200 Secondary Galvo/Galvo Path (Dual Scan Paths)**

**OPX1200 Primary Galvo/Galvo Path (Single Scan Path)**

**OPX2100 Secondary Galvo/Resonant Path (Dual Scan Paths)**

**OPX4220 PA/Uncaging VIS/NIR**

**PDM1000 Manual Dichroic Mover**

**PDM2000 Motorized Dichroic Mover**

**CSN1301 2-Position Manual Objective Mover**

**CSN1302 2-Position Motorized Objective Mover**

**Only Available for Standard Bodies**

**Multiphoton Objectives (Others Upon Request)**

N16XLWD-PFH	N20X-PFH	N25X-APO-MP
N40XLWD-NIR	N40X-NIR	N60X-NIR

**DIC Objective Prism Holder (Standard Bodies Only)**

WFA5100 Single Objective DIC Prism Holder	WFA5110 CFI175 to CFI160 DIC Prism Adapter
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**Piezo Stages for Fast Z-Stacks**

PFM450E 450 $\mu$ m Piezo for All Objectives	PI-P725 400 $\mu$ m Piezo for Light Objectives	PI-P726 100 $\mu$ m Piezo for Heavy Objectives
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**Epi-Detection Modules**

PMT2000 Cooled GaAsP PMT	PMT2100 Compact Non-Cooled GaAsP PMT	PMTs w/ Preamps & PSU
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**Step 17: Transmitted Light Imaging (for Standard Bodies)**

**Step 18: Beam Conditioning Modules**

**Step 19: Forward-Direction Detectors**

**Step 20: Motion Controller**

**Step 21: Scan Path(s)**

**Step 22: Secondary Path Periscope**

**Step 23: Uncaged Path Fiber Launch**

**Step 24: Primary Reflector/Dichroic**

**Step 25: Dichroic Holder**

**Step 26: Dual Objective Nosepiece**

**Step 27: Objectives & Accessories**

**Step 28: Epi-Direction Detectors**

**Step 29: Sample Stages**

**Step 30: Epi-Fluorescence**

**Step 31: Widefield Viewing Accessories**

**Step 32: Beam Conditioning Modules**

**Step 33: Forward-Direction Detectors**

**OPX1100 Primary Galvo/Resonant Path (Single Scan Path)**

**OPX1200 Primary Galvo/Galvo Path (Single Scan Path)**

**OPX2100 Secondary Galvo/Resonant Path (Dual Scan Paths)**

**OPX2200 Secondary Galvo/Galvo Path (Dual Scan Paths)**

**PSA2002 Articulating Periscope**

**For ELB4000**

**For EMB3000**

**For EMB1000**

**PSF2100 Fixed Periscope**

**PSF2000 Fixed Periscope**

**FRM2000 750 nm Shortpass**

**FRM2100 810 nm Shortpass**

**FRM2200 735 nm Longpass**

**FRM2300 680 nm Shortpass**

**FRM2400 1040/60 Bandpass**

**FRM1000 Silver-Coated Primary Reflector (Single Path Only)**

**Mirror**

**FLC1000 405/488/561/705-1600 nm Polychroic**

**Multiphoton Objectives (Others Upon Request)**

**N16XLWD-PFH**

**N20X-PFH**

**N25X-APO-MP**

**N40XLWD-NIR**

**N40X-NIR**

**N60X-NIR**

**DIC Objective Prism Holder (Standard Bodies Only)**

**WFA5100 Single Objective DIC Prism Holder**

**WFA5110 CFI175 to CFI160 DIC Prism Adapter**

**Piezo Stages for Fast Z-Stacks**

**PFM450E 450  $\mu$ m Piezo for All Objectives**

**PI-P725 400  $\mu$ m Piezo for Light Objectives**

**PI-P726 100  $\mu$ m Piezo for Heavy Objectives**

**OPX1100 Primary Galvo/Resonant Path (Single Scan Path)**

**OPX1200 Primary Galvo/Galvo Path (Single Scan Path)**

**OPX2100 Secondary Galvo/Resonant Path (Dual Scan Paths)**

**OPX2200 Secondary Galvo/Galvo Path (Dual Scan Paths)**

**PSA2002 Articulating Periscope**

**For ELB4000**

**For EMB3000**

**For EMB1000**

**PSF2100 Fixed Periscope**

**PSF2000 Fixed Periscope**

**FRM2000 750 nm Shortpass**

**FRM2100 810 nm Shortpass**

**FRM2200 735 nm Longpass**

**FRM2300 680 nm Shortpass**

**FRM2400 1040/60 Bandpass**

**FRM1000 Silver-Coated Primary Reflector (Single Path Only)**

**Mirror**

**FLC1000 405/488/561/705-1600 nm Polychroic**

**Multiphoton Objectives (Others Upon Request)**

**N16XLWD-PFH**

**N20X-PFH**

**N25X-APO-MP**

**N40XLWD-NIR**

**N40X-NIR**

**N60X-NIR**

**DIC Objective Prism Holder (Standard Bodies Only)**

**WFA5100 Single Objective DIC Prism Holder**

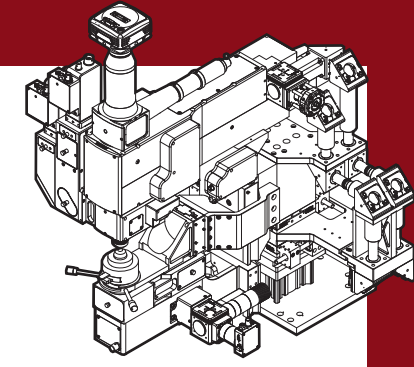
**WFA5110 CFI175 to CFI160 DIC Prism Adapter**

**Piezo Stages for Fast Z-Stacks**

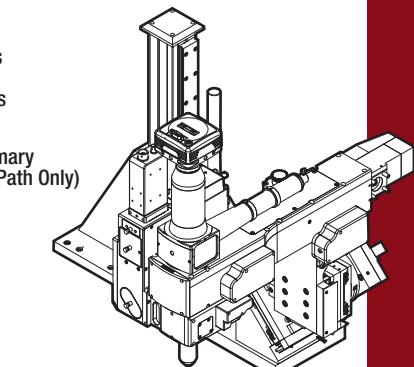
**PFM450E 450  $\mu$ m Piezo for All Objectives**

**PI-P725 400  $\mu$ m Piezo for Light Objectives**

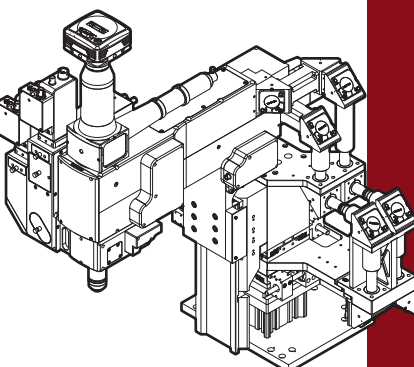
**PI-P726 100  $\mu$ m Piezo for Heavy Objectives**



**Bergamo II Series Configuration B264**  
This XYZ configuration is outfitted with 2 forward-direction PMTs and our laser-scanned Dot contrast module. It also includes 4 backward-direction PMTs with extended FOV collection optics, dual scan paths, and a secondary fiber laser input for single-photon applications.



**Bergamo II Series Configuration B221**  
This configuration provides XYZ +  $\theta$  motion for the objective, with a rotation range of -5° to +95°. It is equipped with a scientific camera for widefield viewing, as well as 2 PMTs, extended FOV collection optics, and a galvo-resonant scan path.



**Bergamo II Series Configuration B244**  
This configuration offers XYZ motion for the objective. It is outfitted with a scientific camera for widefield viewing, as well as 4 PMTs, extended FOV collection optics, and dual scan paths.