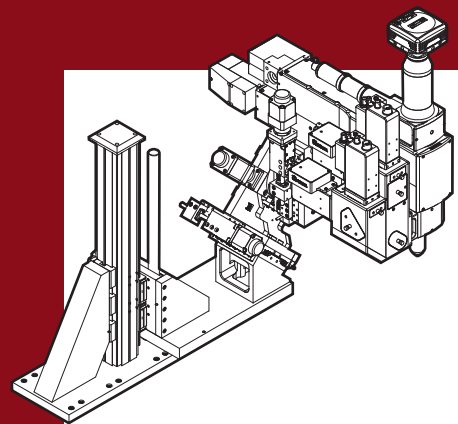
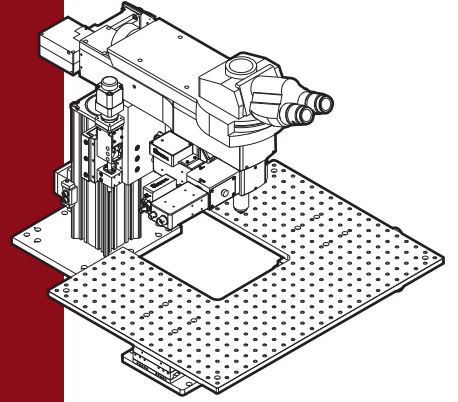


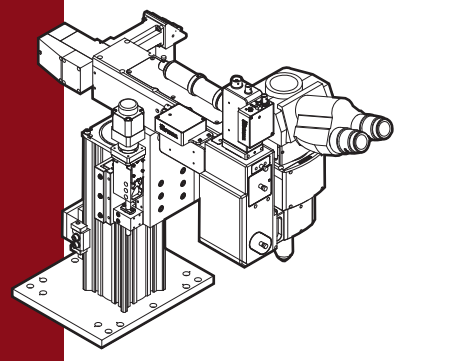
BERGAMO® II Series Multiphoton Microscopes



Bergamo II Series Configuration B248
This configuration provides XYZ + θ 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

- WFA3145 DIC Slider 40X APO NIR (N2)
- WFA3144 DIC Slider 40X Plan Fluor
- WFA3146 DIC Slider 60X APO NIR (N2)
- WFA3141 DIC Slider 16X
- WFA3143 DIC Slider 25X
- WFA3120 Visible Rotatable
- WFA3121 IR Rotatable
- WFA3110 VIS & IR DIC Analyzer
- WFA3130 N1 Dry (10X)
- WFA3131 N2 Dry (16X-100X)
- WFA3000 DIC Turret Adapter
- WFA3100 Polarizer Turret for VIS & IR Polarizers

Laser-Scanned Dots for Galvo/Res

- 400-1100 nm (WFA1130)
- Galvo/Res 800-1800 nm (WFA1140)
- Galvo/Res 400-1100 nm (WFA1150)
- Galvo/Res 800-1800 nm (WFA1160)

PMTs with Preamps & PSU

- PMT2100 Compact Non-Cooled GaAsP
- FDM2213 2 Ch

LED Drivers

- LEDD1B 1 Ch
- DC4100 4 Ch, 1 Mod Input
- DC4104 4 Ch, 4 Mod Input

Transmitted Light Illumination Kits

- WFA1010 VIS LED
- WFA1020 NIR LED
- WFA1051 VIS & NIR LEDs
- WFA1100 Dot Contrast
- WFA1000 Brightfield/DIC

Condensers

- BSA2000 Compact Condenser Mounting Arm
- CSA2000 Condenser Mounting Arm
- ZFM2000 Condenser Focus Module
- CSC1001 FN-C LWD 0.78 NA
- CSC1002 D-CUD Universal 0.9 NA
- CSC1003 D-CUO Oil Condenser 1.4 NA

Trinoculars Recommended Only for Standard Bodies

- WFA4000 Inverted Trinoculars w/ Eyepieces & IR Filter
- WFA4002 Upright-Image Trinoculars w/ Eyepieces & IR Filter
- WFA4107 1X Camera Tube D5N Dovetail
- WFA4105 1X Camera Tube D2N Dovetail
- WFA4108 0.7X Camera Tube D5N Dovetail
- WFA4106 0.7X Camera Tube D2N Dovetail
- WFA4109 0.5X Camera Tube D5N Dovetail

Widefield Epi-Illuminator

- WFA4100 1X Camera Port
- WFA4101 0.75X Camera Port
- WFA4102 0.5X Camera Port
- WFA4107 1X Camera Tube D5N Dovetail
- WFA4105 1X Camera Tube D2N Dovetail
- WFA4108 0.7X Camera Tube D5N Dovetail
- WFA4106 0.7X Camera Tube D2N Dovetail
- WFA4109 0.5X Camera Tube D5N Dovetail

Thorlabs Scientific Cameras

- 1501M-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

BCM-PCA Pockels Cell

- BCM-PA Variable Attenuator
- BCM-VBE Variable Beam Expander

MCM3000 3-Axis Controller (Required for Condenser in Step 14)

MCM5000 5-Axis Controller (Required for Rotating Bodies)

Step 1: Bergamo II Body

Body Choice Determines Available Accessories

- ELB4000 Elevator Base w/ XYZ + θ Rotating Body, -5° to +95°
- ELB4050 Elevator Base w/ XYZ + θ Rotating Body, -50° to +50° (Single Path Only)
- EMB1000 Z-Axis Standard Body
- EMB3000 XYZ Standard Body

Step 2: Motion Controller

Step 3: Scan Path(s)

- 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)

Step 4: Secondary Path Periscope

- PSA2002 Articulating Periscope
- PSF2100 Fixed Periscope
- PSF2000 Fixed Periscope

Step 5: Uncaged Path Fiber Launch

- For EMB3000
- For EMB1000

Step 6: Primary Reflector/Dichroic

- OPX4220 PA/Uncaging - Polychroic VIS/NIR
- FLC1000 405/488/561/705-1600 nm Polychroic
- PDM1000 Manual Dichroic Mover
- PDM2000 Motorized Dichroic Mover
- Dichroics (Others Upon Request)
- Mirror

Step 7: Dichroic Holder

- CSN1301 2-Position Manual Objective Mover
- CSN1302 2-Position Motorized Objective Mover

Step 8: Dual Objective Nosepiece

Step 9: Objectives & Accessories

- Multiphoton Objectives (Others Upon Request)
- N16XLWD-PFH
- N20X-PFH
- N25X-APO-MP
- N40XLWD-NIR
- N40X-NIR
- N60X-NIR
- WFA5100 Single Objective DIC Prism Holder
- WFA5110 CF175 to CF160 DIC Prism Adapter
- PFM450E 450 μ m Piezo for All Objectives
- PI-P725 400 μ m Piezo for Light Objectives
- PI-P726 100 μ m Piezo for Heavy Objectives

Step 10: Epi-Direction Detectors

- PMT2000 Cooled GaAsP PMT
- PMT2100 Compact Non-Cooled GaAsP PMT
- PMTs w/ Preamps & PSU

Step 11: Sample Stages

- Sample Holders
- Stand & MLS Insert Holder
- Stand & Sample Holder
- Stand & Slide Holder

Step 12: Epi-Fluorescence

- WFA2001 Single-Cube Epi-Illuminator
- MBE74100 Epi-Illuminator w/ Turret (Only Compatible w/ BDM1208 & BDM3214 PMT Modules)

Step 13: Widefield Viewing Accessories

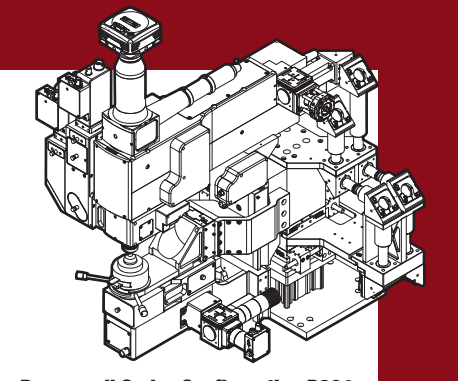
- Mounted LEDs (Only for WFA2001 Epi-Illuminator)
- HPLS243 Plasma Light Source
- XCITE200DC DC-Stabilized Fluorescence Light Source

Step 14: Transmitted Light Imaging

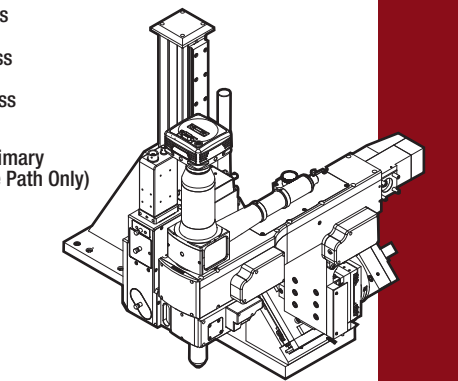
- WFA0100 Transmitted Light Module Adapter

Step 15: Forward-Direction Detectors

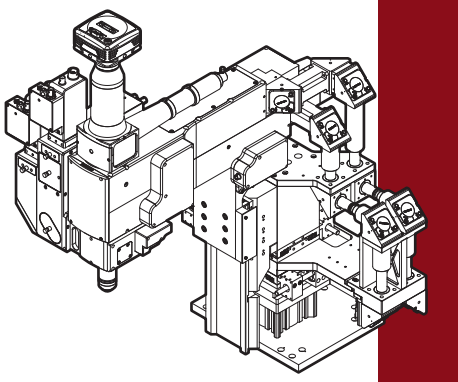
- Step 16: Beam Conditioning Modules



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 + θ 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.