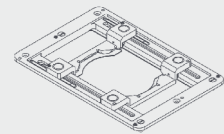
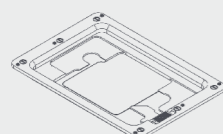


# Evident/Olympus IX85 configuration chart

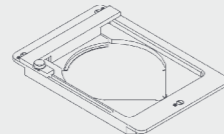
## 6 Sample holders



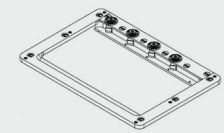
**H473XR**  
Universal sample holder



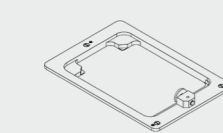
**H224XRLP**  
Low profile 3 in x 1 in slide holder



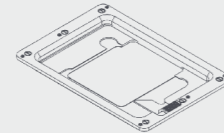
**H229XR**  
Universal Petri dish holder



**H234XR**  
Four slide holder, extra recessed

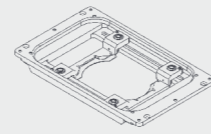


**H23X200**  
200 ml flask holder (Greiner)

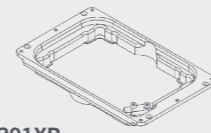


**H237XRLP**  
Low profile 3 in x 2 in slide holder

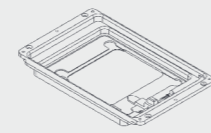
## 7 Nanopositioning sample holders



**QGSP302XR**  
SP universal sample holder XR

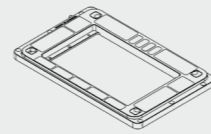


**QGSP301XR**  
SP multiwell holder XR



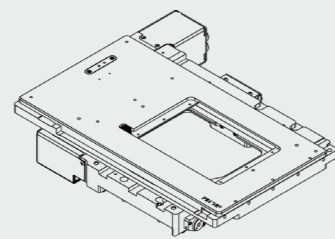
**QGSP303XR**  
Single slide holder

## 7 Nanopositioning stages



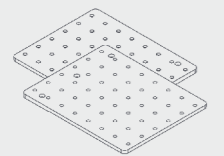
**QGSP200-D1**  
**QGSP400-D1**  
**QGSP600-D1**  
**QGSP800-D1**

## 1 Stages



**H117N1E4, H117E1E4, H117N2E2, H117E2E2**  
Proscan inverted stage

## 6 Stage accessories



**H117ACCM**  
Pair of stage extension wings

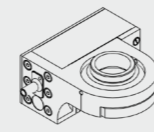
## 2 Piezo objective positioner



**QG-OP-MIC-RMS**  
Microscope adapter

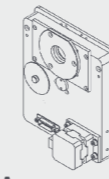


**QG-OP-OBJ-RMS**  
Objective adapters

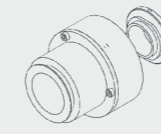


**QGOP200-INV-D1**  
**QGOP400-INV-D1**  
**QGOP400-INV-HL-D1**  
**QGOP800-INV-D1**  
**QGOP-SPACE-RMS**

## 5 Emission path



**HF110A**  
Filter wheel, 10 position



**HF236**  
Filter wheel adapter

## 4 Illumination

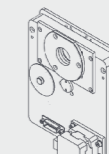


**L200SIX**  
Fluorescence illuminator,  
built in shutter

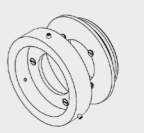


**L200IX**  
Fluorescence illuminator

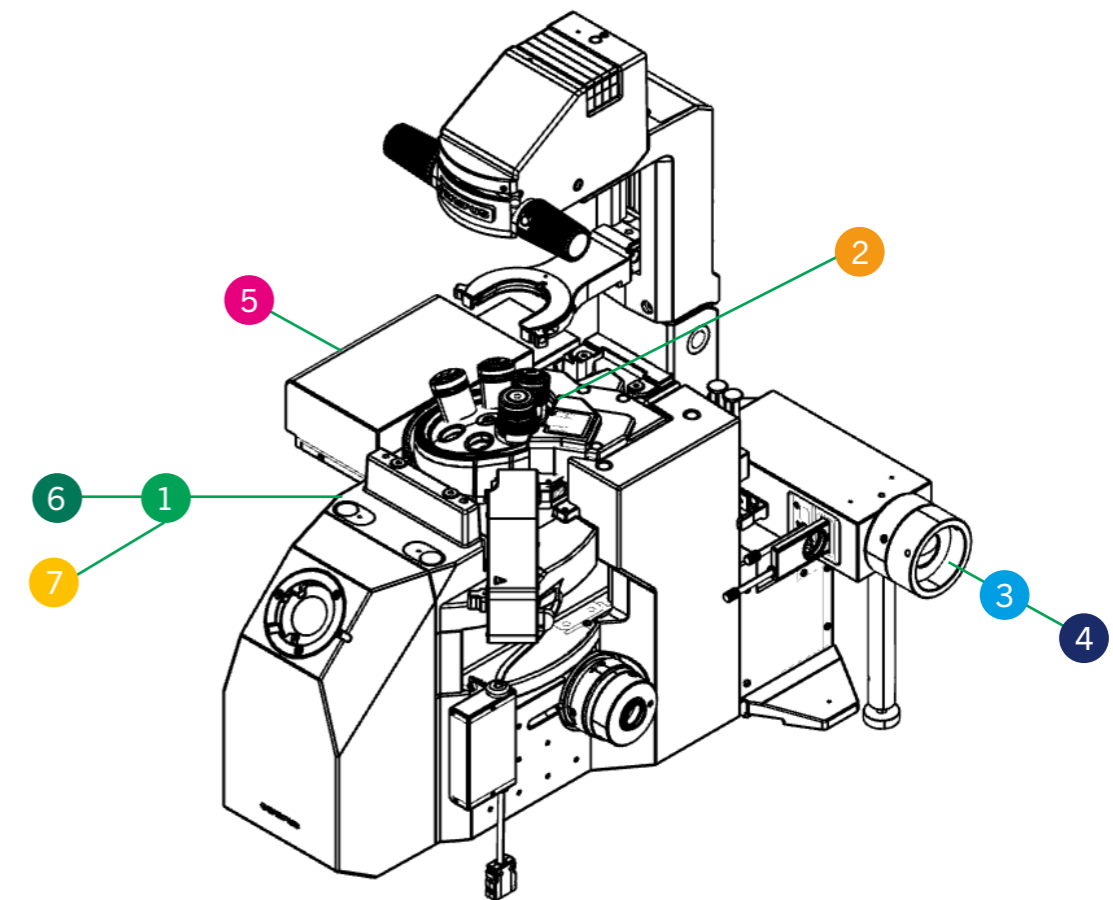
## 3 Excitation path



**HF108A**  
Filter wheel, 8 position



**HF235**  
Filter wheel adapter



See the following pages for more product information.

# Evident/Olympus IX85 configuration guide

## Motorized XY stages and sample holders

All the sample holders listed are compatible with the H117N1E4, H117N2E2, H117E1E4 and H117E2E2. At least one sample holder is required. The H117ACCM breadboard attachments can be added to all stages to provide mounting points for probe stations.

Part	Description
H117N1E4	Flat top ProScan® stage for Olympus IX85 inverted microscopes with travel range 114 x 75 mm, 1 mm pitch ball screw and 400 step motors
H117N2E2	Flat top ProScan® stage for Olympus IX85 inverted microscopes with travel range 114 x 75 mm, 2 mm pitch ball screw and 200 step motors
H117E1E4	Flat top ProScan® stage for Olympus IX85 inverted microscopes with travel range 114 x 75 mm, 1 mm pitch ball screw and 400 step motors. Encoded with 0.1 µm linear encoders
H117E2E2	Flat top ProScan® stage for Olympus IX85 inverted microscopes with travel range 114 x 75 mm, 2 mm pitch ball screw and 200 step motors. Encoded with 0.1 µm linear encoders
H473XR	Universal Sample Holder (Slides, Petri Dishes, Small Flasks), Extra Recessed
H224XRLP	Low Profile 3in x 1in Slide Holder, Extra Recessed
H229XR	Universal Petri Dish Holder, Extra Recessed
H234XR	Four 3in x 1in Slide Holder, Extra Recessed
H23X200	200ml Flask Holder (Greiner)
H237XRLP	Low Profile 3in x 2in Slide Holder, Extra Recessed
H229D35XR-6	Holder for 6 x 35mm petri dishes

## Stage accessories

Part	Description
H117ACCM	Pair of stage extension wings for H117 stages, breadboard format with 6 mm tapped holes for mounting micromanipulators or other accessories

## Nanopositioning stages and sample holders

Nanopositioning stages require a suitable motorized stage for mounting. All Prior motorized stages listed in this guide are compatible. Please contact Prior Scientific if the microscope has another brand of motorized stage. Note that a sample holder from the nanopositioning stage section is required for use, and replaces the sample holder fitted to the motorized stage. Control of a nanopositioning stage via Evident/Olympus software requires a compatible Real Time Controller (RTC) unit from Evident/Olympus.

Part	Description
QGSP200-D1	System SP200, 200µm travel, and NPC-D-6110 controller
QGSP400-D1	System SP400, 400 µm travel, and NPC-D-6110 controller
QGSP600-D1	System SP600, 600 µm travel, and NPC-D-6110 controller
QGSP800-D1	System SP800, 800 µm travel, and NPC-D-6110 controller
QGSP301XR	SP multiwell holder XR
QGSP302XR	SP universal sample holder XR
QGSP303XR	SP single slide holder suitable for 1 in x 3 in and 2 in x 3 in slides

## Objective positioners and adapters

When ordering ensure the correct part number is used to specify inverted calibration. Objective positioners require a threaded adapter in order to be fitted to the microscope nosepiece and the microscope objective. Evident/Olympus microscopes typically use RMS threads; please contact Prior Scientific if the nosepiece uses an alternative thread size. Some IX85 nosepieces have a raised lip surrounding the objective positions, which may clash with the objective positioner; a 15 mm spacer can be added to clear the lip. Please note that the two objective positions adjacent to the objective positioner will not be usable due to space constraints. All objective positioners listed are not compatible with the motorized correction collar position on IX85 nosepieces. A high load calibration is available for specialist heavy objectives. Control of the nanopositioning stage via Evident/Olympus Software requires a compatible Real Time Controller (RTC) unit from Evident/Olympus.

Part	Description
QGOP200-INV-D1	OP200 Objective Scanner with NPC-D-6110 controller Inverted 0-500g load
QGOP400-INV-D1	OP400 objective scanner system incl. NPC-D-6110 controller for inverted microscopes (0-500 g load)
QGOP400-INV-HL-D1	OP400 objective scanner system incl. NPC-D-6110 controller for inverted microscopes (500-1000 g load)
QGOP800-INV-D1	OP800 objective scanner system incl. NPC-D-6110 controller for inverted microscopes (0-500 g load)
QGOP800-INV-HL-D1	OP800 objective scanner system incl. NPC-D-6110 controller for inverted microscopes (500-1000 g load)
QG-OP-MIC-RMS	OP microscope adapter RMS
QG-OP-OBJ-RMS	OP objective adapter M32 x 0.75 to RMS
QG-OP-SPACE-RMS	RMS static objective spacer to align with OP400 objective

## Illumination

The L200IX and L200SIX are recommended for fluorescence microscopy (see datasheet for details). The L200SIX has a built in shutter mechanism which can be controlled via a ProScan III controller, so a standalone shutter is not required. The provided collimator should be used in conjunction with a Prior excitation filterwheel. The 3mm light guide provided with the L200SIX and L200IX can also be used directly with the Evident/Olympus U-LLGAD.

Part	Description
L200SIX	L200 Standard box, lamp, light guide, shutter and Evident/Olympus IX Collimator
L200IX	L220 Standard box, lamp, light guide and Evident/Olympus IX Collimator

## Excitation path

Filter wheels are not supplied with filters. For systems requiring a shutter and filter wheel it is recommended to buy one of the combinations listed below. The HF235 adapter is required for filter wheels in the main episcopic illumination pathway when using the Evident/Olympus IX3-RFAL. Contact Prior if using the IX5-RFAL.

Part	Description
HF235	Filter wheel adapter for Evident/Olympus BX, IX and AX series microscopes
HF108A	Filter wheel, 8 position, 32 mm diameter filters without stand

## Emission path

The HF236 adapter is required for fitting filter wheels to the left-hand emission port of the IX85. This adapter is not compatible with the right-hand emission port.

Part	Description
HF236	Filter wheel adapter for Evident/Olympus IX series microscopes
HF110A	Filter wheel, 10 position, 25 mm diameter filters without stand