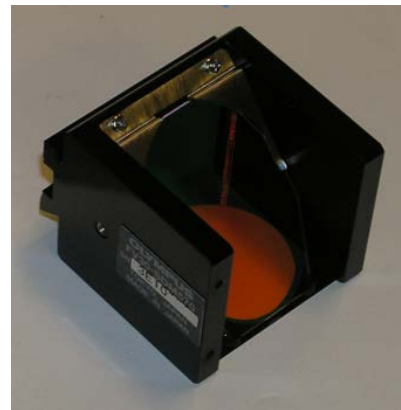


## FVMPE-RS - Filter Cubes / Filter Dimensions

### **A - Primary Dichroic cube**

SDM Filter size: 43.7-43.9 x 31.7x31.9 mm

Thickness: 1 mm



### **B / C - 2-Channel Filter Cube**

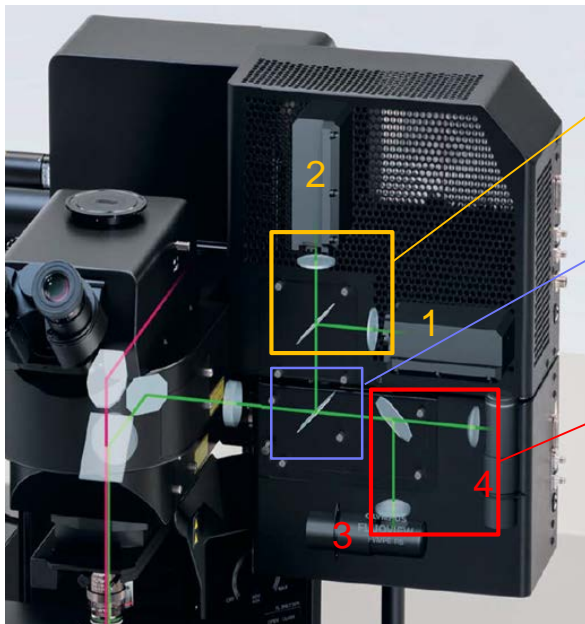
SDM Filter size: 43.7-43.9 x 31.7x31.9 mm

Thickness: 1 mm

BA Filter size: 32 mm

Thickness: 1 – 3 mm

### FVMPE-RS - NDD Filter Set: 2CH – CY (Cyan / Yellow)



#### B - GaAsP-PMTs - Filter Set ... for CH1 & CH2

Dye 1:	CH1: ---
	DM: ---
Dye 2:	CH2: ---

#### A - Primary Emission Beamsplitter

DM: ---

add R – reverse if you need a short pass filter

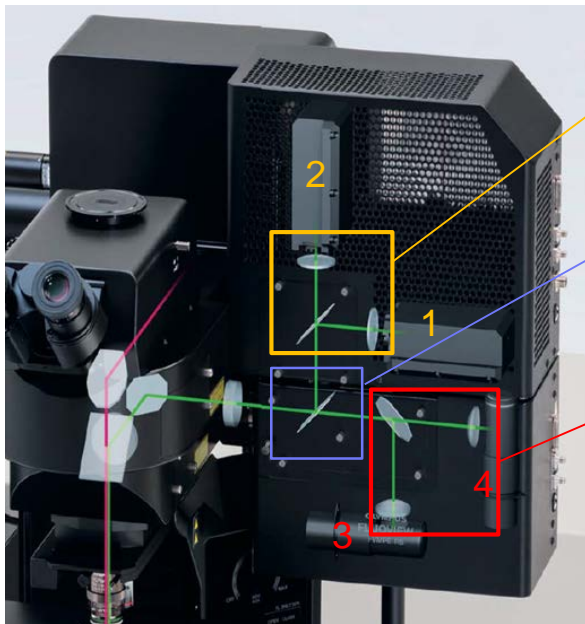
#### C - PMTs - Filter Set **CY** for CH3 and CH4

Dye 3: (Cyan)	CH1: BA460-500
	DM: SDM505
Dye 4: (Yellow)	CH2: BA520-560

#### Note:

Same filter cubes used with CH1&2 and CH3&4  
 Use only CH1&2: use Mirror Cube in position A  
 Use only CH3&4: no cube in position A  
 Filter setups can be defined for 1 to 4 dyes

### FVMPE-RS - NDD Filter Set: 2CH – CY (Cyan / Yellow)



B - GaAsP-PMTs - Filter Set **CY** for CH1 & CH2

Dye 1: (Cyan)

CH1: BA460-500

Dye 2: (Yellow)

DM: SDM505

CH2: BA520-560

A - Primary Emission Beamsplitter

DM: SDM-M (Mirror)

add R – reverse if you need a short pass filter

C - PMTs - Filter Set ... for CH3 and CH4

Dye 3:

CH1: ---

Dye 4:

DM: ---

CH2: ---

#### Note:

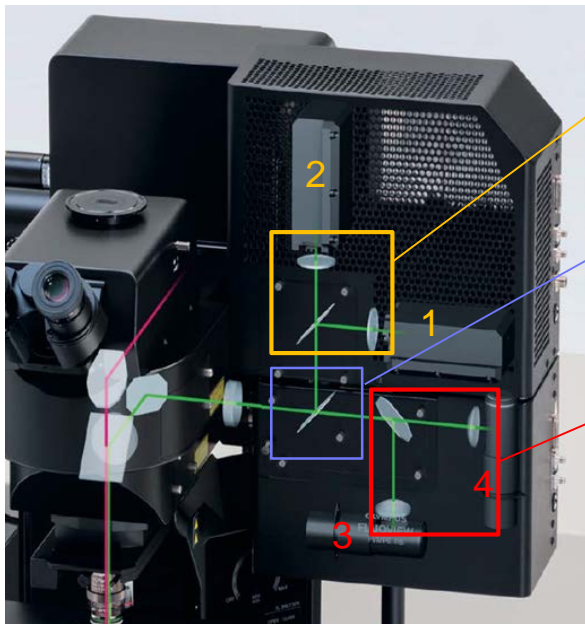
Same filter cubes used with CH1&2 and CH3&4

Use only CH1&2: use Mirror Cube in position A

Use only CH3&4: no cube in position A

Filter setups can be defined for 1 to 4 dyes

### FVMPE-RS - NDD Filter Set: 2CH – GR (Green / Red)



#### B - GaAsP-PMTs - Filter Set ... for CH1 & CH2

Dye 1:	CH1: ---
	DM: ---
Dye 2:	CH2: ---

#### A - Primary Emission Beamsplitter

DM: ---

add R – reverse if you need a short pass filter

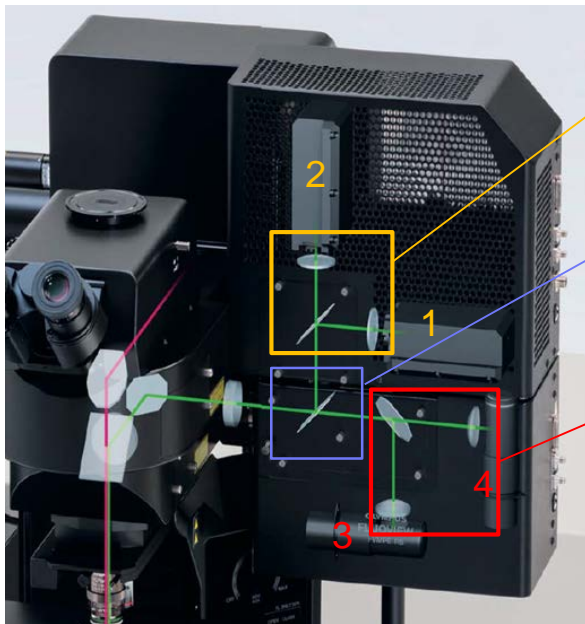
#### C - PMTs - Filter Set GR for CH3 and CH4

Dye 3: (Green)	CH1: BA495-540
	DM: SDM570
Dye 4: (Red)	CH2: BA575-645

#### Note:

Same filter cubes used with CH1&2 and CH3&4  
 Use only CH1&2: use Mirror Cube in position A  
 Use only CH3&4: no cube in position A  
 Filter setups can be defined for 1 to 4 dyes

### FVMPE-RS - NDD Filter Set: 2CH – GR (Green / Red)



B - GaAsP-PMTs - Filter Set **GR** for CH1 & CH2

Dye 1: (Green)

CH1: BA495-540

DM: SDM570

Dye 2: (Red)

CH2: BA575-645

A - Primary Emission Beamsplitter

DM: SDM-M (Mirror)

add R – reverse if you need a short pass filter

C - PMTs - Filter Set ... for CH3 and CH4

Dye 3:

CH1: ---

DM: ---

Dye 4:

CH2: ---

#### Note:

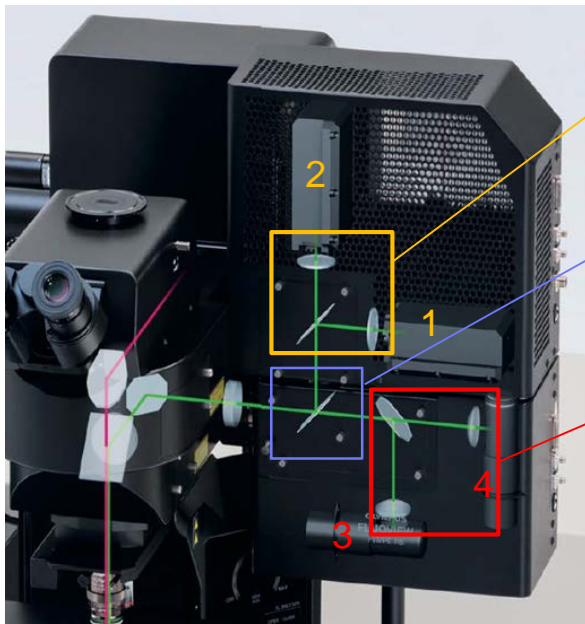
Same filter cubes used with CH1&2 and CH3&4

Use only CH1&2: use Mirror Cube in position A

Use only CH3&4: no cube in position A

Filter setups can be defined for 1 to 4 dyes

### FVMPE-RS - NDD Filter Set: 2CH –Red/FarRed



#### B - GaAsP-PMTs - Filter Set ... for CH1 & CH2

Dye 1:	CH1: ---
	DM: ---
Dye 2:	CH2: ---

#### A - Primary Emission Beamsplitter

DM: ---

add R – reverse if you need a short pass filter

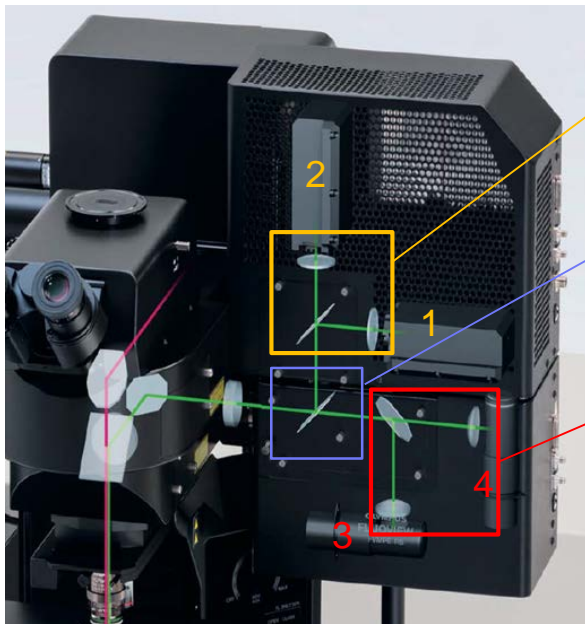
#### C - PMTs - Filter Set R FR for CH3 and CH4

Dye 3: (Red)	CH1: BA590-650
	DM: SDM650
Dye 4: (FarRed)	CH2: BA660-740

#### Note:

Same filter cubes used with CH1&2 and CH3&4  
 Use only CH1&2: use Mirror Cube in position A  
 Use only CH3&4: no cube in position A  
 Filter setups can be defined for 1 to 4 dyes

### FVMPE-RS - NDD Filter Set: 2CH – Red/FarRed



#### B - GaAsP-PMTs - Filter Set R FR for CH1 & CH2

Dye 1: (Red)

CH1: BA590-640

DM: SDM650

Dye 2: (FarRed)

CH2: BA660-740

#### A - Primary Emission Beamsplitter

DM: SDM-M (Mirror)

add R – reverse if you need a short pass filter

#### C - PMTs - Filter Set ... for CH3 and CH4

Dye 3:

CH1: ---

DM: ---

Dye 4:

CH2: ---

#### Note:

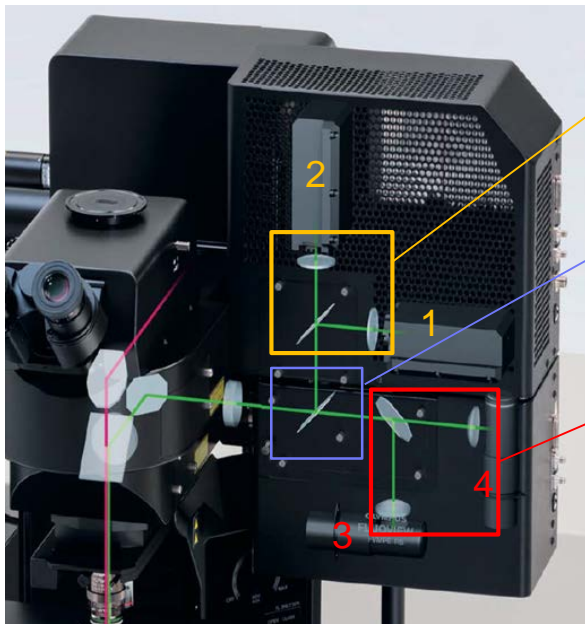
Same filter cubes used with CH1&2 and CH3&4

Use only CH1&2: use Mirror Cube in position A

Use only CH3&4: no cube in position A

Filter setups can be defined for 1 to 4 dyes

### FVMPE-RS - NDD Filter Set: 2CH – SNARF (Green / Red)



#### B - GaAsP-PMTs - Filter Set ... for CH1 & CH2

Dye 1:	CH1: ---
	DM: ---
Dye 2:	CH2: ---

#### A - Primary Emission Beamsplitter

DM: ---

add R – reverse if you need a short pass filter

#### C - PMTs - Filter Set SNARF for CH3 and CH4

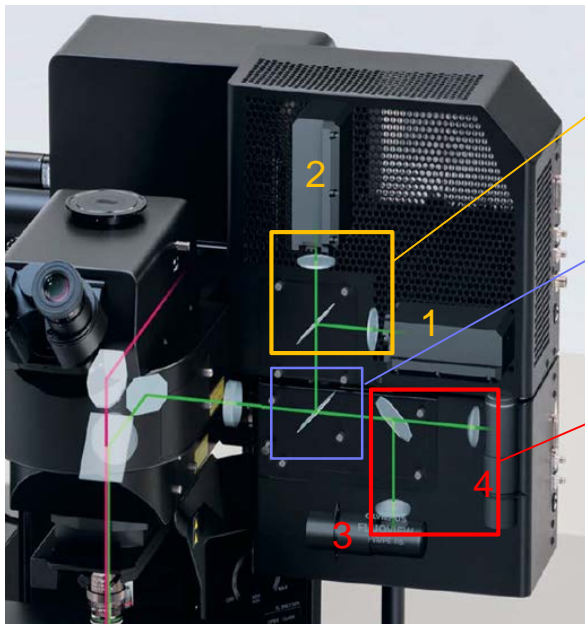
Dye 3: SNARF (Green)	CH1: BA535-610
	DM: SDM615
Dye 4: SNARF (Red)	CH2: BA620-680

#### Note:

Same filter cubes used with CH1&2 and CH3&4  
 Use only CH1&2: use Mirror Cube in position A  
 Use only CH3&4: no cube in position A  
 Filter setups can be defined for 1 to 4 dyes



### FVMPE-RS - NDD Filter Set: 2CH – SNARF (Green / Red)



B - GaAsP-PMTs - Filter Set **SNARF** for CH1 & CH2

Dye 1: SNARF (Green)

CH1: BA535-610

DM: SDM615

Dye 2: SNARF (Yellow)

CH2: BA620-680

A - Primary Emission Beamsplitter

DM: SDM-M (Mirror)

add R – reverse if you need a short pass filter

C - PMTs - Filter Set ... for CH3 and CH4

Dye 3:

CH1: ---

Dye 4:

DM: ---

CH2: ---

#### Note:

Same filter cubes used with CH1&2 and CH3&4

Use only CH1&2: use Mirror Cube in position A

Use only CH3&4: no cube in position A

Filter setups can be defined for 1 to 4 dyes