List of parts for surgery & fluorescence/intrinsic wide field setup

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Here different combination of lenses will give you different magnifications

B&H - 1800-947-7784

1) Nikon Normal 50mm f/1.4 AIS Manual Focus Lens Mfr# 1433 • B&H# NI5014 $299.95

 (in the end we got NI5012DAF/1902 - $279.95)

2) Nikon Telephoto 105mm f/1.8 AIS Manual Focus Lens Mfr# 1457 • B&H# NI10518 $649.95

 (in the end we got NI1052DAF/1932 - $924.95)

3) Nikon AF 35mm lens, f/2.0 Mfr # 1923 • B&H # NI352DAF NEED 1 1 X $320

http://www.bhphotovideo.com/c/product/92011-GREY/Nikon\_1923\_Wide\_Angle\_AF\_Nikkor.html

5) Voigtlander wide angle Nokton 35mm F/1.2 lens aspherical manual focus m-mount manufacturer part #45BA236B

http://www.bhphotovideo.com/c/product/288040-REG/Voigtlander\_45BA236B\_Nokton\_35mm\_f\_1\_2\_Aspherical.html

6) Tiffen 62mm-52mm Step-Down Ring (Lens to Filter) Mfr# 6252SDR • B&H# TISDR6252 $9.95

7) Nikon F to-C Lens Mounting Adapter - C-Mount Adapter

for Nikon Lens Mfr# 2360 • B&H# NIAFC $149.95

8) GBSDR7262 - step down ring from 72 to 62.........................................................$9.95

9) GBMC52 - male to male ring to macrolens adapter...............................................3 X $9.95

10) GB 62-52 mm step-down ring GBSDR6252...........................................................2X $10

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OPTIONAL - DO NOT NEED FOR ISI ( this is for wide field fluorescence)

Edmund Phone: (800) 363-1992, Fax: (856) 573-6295

1)Excitation filer

FILTER DICHROIC MAG 12.5MM D Subtractive Magenta 12.5mm Diameter NT52-539 (4 pieces) 4 X $18.50

2) Fiber Optic LIGHT GUIDE 1/8"OD X 24" 24 0.125 0.187 0.255 0.500 0.225 NT42-345 2X $39.00

3) Blue Dichroic Filter 50mm Dia NT52-532 1X $31.50

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Mcmaster (732) 392-6200

1) Flexible Arm Magetic Base w fine adjustment 20755A65 (order 3 pieces) 3X$84.55

2) Inch Hex L-Key short Arm 0.028 - 7122A11

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OPTIONAL - DO NOT NEED FOR ISI

Chroma Technology 1-800-824-7662

1) HQ510LP long pass emmission filter $250

when you call them, it is esential to specify that this fliter needs to transmit light well (around 90% or more)

from 510 to 800nm. Most such filters filters are made for only 510nm to 750nm, but they do have special stocks

that go up to 800nm or more. The price is the same.

2) Q495lp dichroic 2inch diameter circular $275

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Roithner Laser Inc - they are based in Vienna, Austria -

they do no accept POs, only cards.

tel 43-1-5865243-0

fax 43-1-586524344

email: Marion Matzner <m.matzner@roithner-laser.com>

 "Alice Weiss" <a.weiss@roithner-laser.com>

LED780-66-60, 780nm (order 2 pieces) 2X$132.12

Heat sink 47X20 TO-66 Al black anodized (order two pieces) 2X$11.19

LED-OPTIC-18 aspheric glass 18mm (order two pieces) 2X$20.86

Thermal grease, ST-700.........................$1.20

LED-OPTIC-12 aspheric glass, 12mm FL...........$20.86

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POWER SUPPLIES

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Fotronic Corporation (781) 665-1400

1)BK precision Power Supply DC regulated power supply - 3Amp, 30V, model 1626A NEED 2 4 X $200

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VDS Vosskühler GmbH

Weisse Breite 7

D-49084 Osnabrück

Internet: www.vdsvossk.de

E-Mail: LKemper@vdsvossk.de

E-Mail: vds@vdsvossk.de

Tel.: +49 (0)541 / 80084-33

Fax: +49 (0)541 / 80084-10

The camera we can get on loan from Ludger Kemper - at Vosskuhler - lkemper@vdsvossk.de

1300-F QE CCD camera 33000e per well.................................................................$4100

OR

1300-F

33000 e per well CCD camera - differ in their spectral properties qe has higher qe in green than the other one

Currently, we are using this model:

CCD1300QF

1280 X 1024 pixels, 33000e/well, at most 25 fps, or 45 fps at 1280 X 512

resolution. Due to high QE in the green spectrum as well, this camera can also

be used for wide field fluorescence imaging. We do 4X4 spatial binning.

Drivers for the camera can be doneloaded from Vosskuhler website.

CABLE

cable to connect camera to framegrabber from dyneng.com

need to specify what are the things you want to connect -they custom make it for you .................$200

National INstruments Acquisition BOard

NI DAQ PCI1422 LVDS...................................................................................$1300