

Video Capillaroscope

for examination of microcirculation

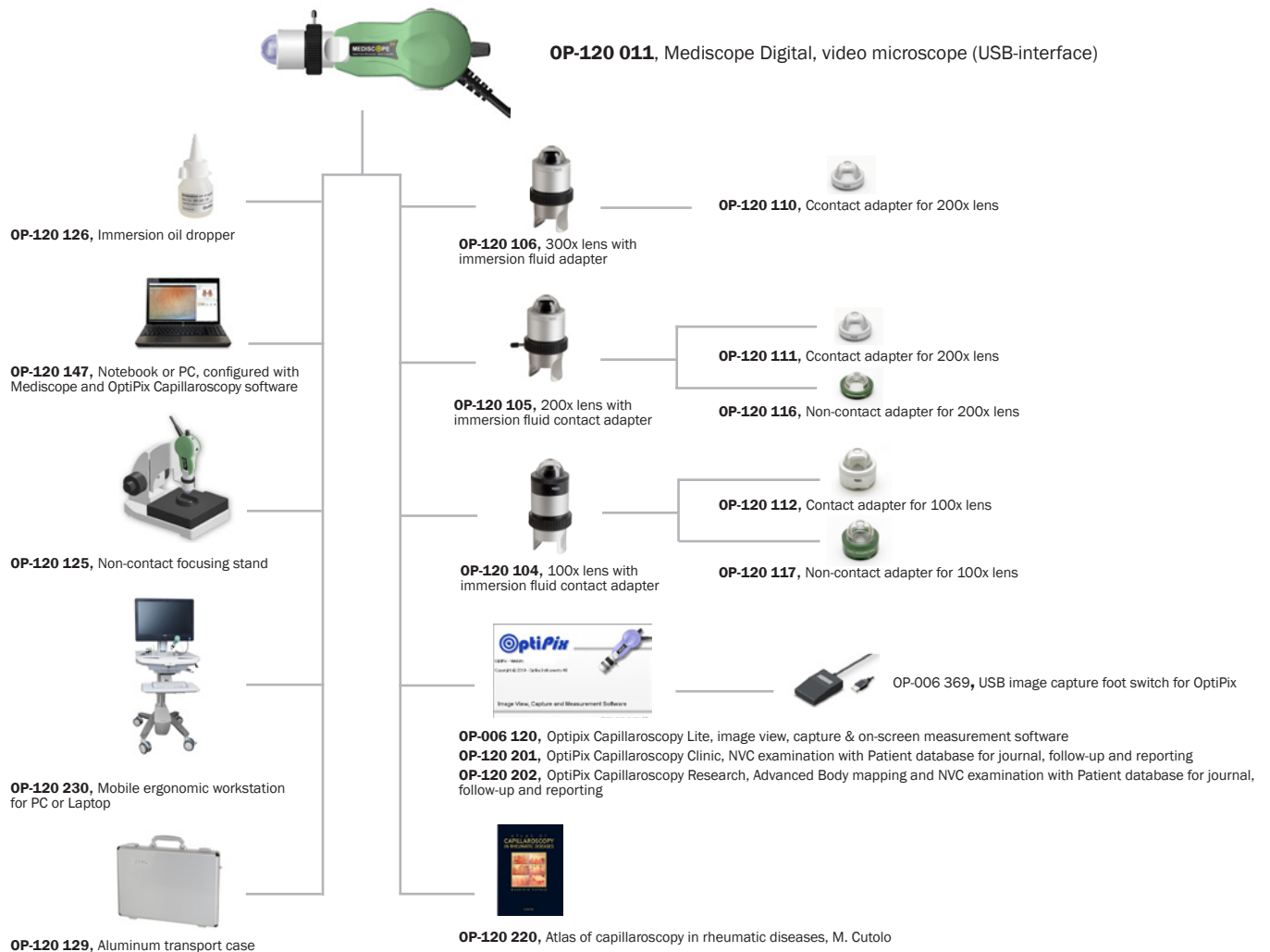


Product data sheet

Optilia Video Capillaroscopy features state-of-the-art digital imaging system with integrated illumination and dedicated user-friendly image capture, analysis and reporting software for nailfold capillaroscopy. Designed for reliable and flexible examination of micro circulation abnormalities that may lead to disease like Reynaud's phenomenon, systematic sclerosis and digital ulcer.

Optilia high resolution capillaroscopy lenses with contact and non-contact adaptors provide sharp and detailed images with accurate colour representation at 100x, 200x and 300x magnification. Optilia Capillaroscope is light-weight mobile and can be used on all areas of skin.

Product matrix:



Technical specification:

- Image Sensor ○ 1/2.5" CMOS, 5.0 Mp (5 million pixels)
- Resolution ○ 2592H x 1944V pixels (factory set 2048H x 1536V pixels)
- Pixel Size ○ 2.2 µm x 2.2 µm
- Interface ○ USB 2.0
- Frame Rate ○ 9 fps @ 2048x1536 (3MP). 13 fps @ 1920x1080 (1080p) and 1600x1200 (2MP) resolution
- Programmable Controls ○ sensitivity, contrast, frame rate and resolution

- Illumination ○ Built-in RingLight with 12 ultra bright long-life white LEDs and intensity control (dimmer)
- Colour Temperature ○ Cool white, 8000K (Kelvin)
- Illumination Life Time ○ 6000 hours (minimum)

- Optics ○ 20x to 50x magnification varifocal lens with polarised light and polarisation optics
100x high resolution objective lens with unpolarised light
200x high resolution objective lens with unpolarised light
300x high resolution objective lens with unpolarised light

- Software ○ 3 levels: Capillaroscopy Lite, Capillaroscopy Clinic and Capillaroscopy Research

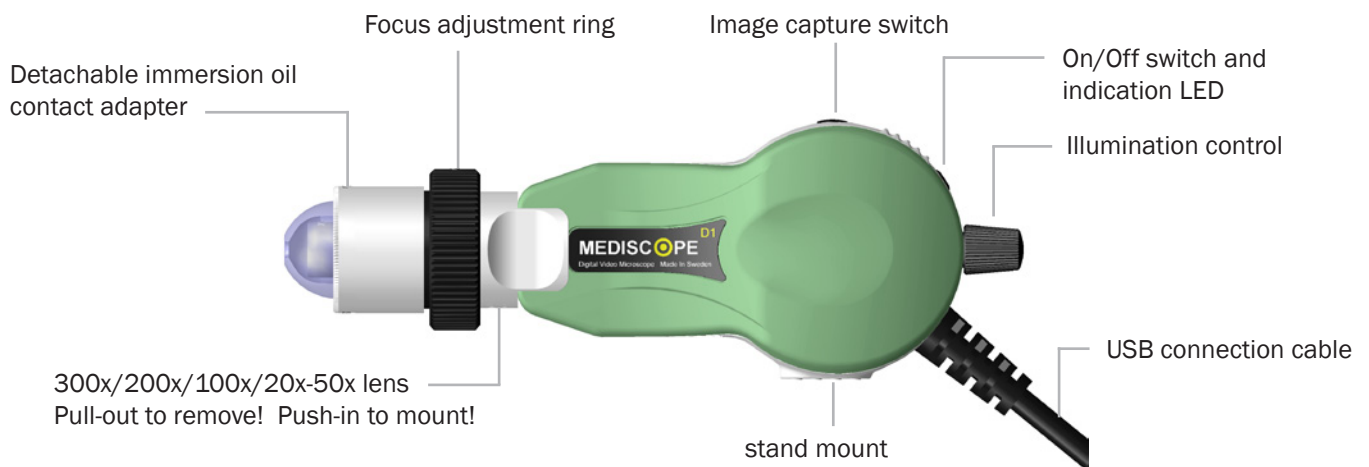
- Field of View at 100x ○ ~ 3.5 x 2.6 mm (WxH)
- Field of View at 200x ○ ~ 1.7 x 1.3 mm (WxH)
- Field of View at 300x ○ ~ 1.1 x 0.8 mm (WxH)
- Field of View at 50x ○ ~ 7.6 x 5.7 mm (WxH)
- Field of View at 30x ○ ~ 11.7 x 8.8 mm (WxH)
- Field of View at 20x ○ ~ 18.1 x 13.6 mm (WxH)

- Storage Enviroment ○ -20 °C to +60 °C, Max 98% RH, non-condensing
- Operation Enviroment ○ 0 °C to +45 °C, Max 95% RH, non-condensing
- Power Soruce ○ 5.0 VDC, 450 mA minimum powered via USB port

- Size (with lens) ○ 155 x 55 x 36 mm (LxHxW)
- Weight (without Cable) ○ ~ 180 gr.
- Weight (with Cable) ○ ~ 280 gr.

Mediscope is approved and listed as CLASS 1 medical device

Functional description:



Empowering your vision!

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