



Brand name: HDC

Model Name: DF4

Description: High-End 4K Microscope Camera with HDMI/USB/Ethernet Interface for digital documentation

Technical Specifications

Resolution (pixels)	3840 (H) x 2160 (V) = 8,3 Megapixel
Signal output interfaces	HDMI, USB 3.0, Ethernet
Sensor and pixel size	1/1,8" 2,0x2,0 µm
Sensor type	CMOS Colour, SONY IMX334(C)
Frame display rate at full resolution	60fps (HDMI), up to 30fps (USB/Ethernet)
Recording location	SD card (HDMI mode), PC (USB/Ethernet mode)
Cooling	Fanless cooling
External memory	SD card (removable)
Power supply	External, out:12V/1A DC In: 110-240V AC 50-60 Hz (EURO Standard)
Connection	c-mount
Exposure time (msec)	0,04 - 1000 (automatic and manual)
White balance	Auto, manual, auto with selected ROI (Region of Interest)
OS System requirements (USB and Ethernet mode)	<ul style="list-style-type: none"> · Windows 10 (32/64bit) · Free USB port
System requirements (HDMI mode)	Monitor with HDMI input port
Functions in HDMI mode	Recording of photos and videos, digital zoom in/ out, image mirroring, image and video gallery with playback capability direct from the camera to the monitor, live comparison of live view against stored image, measurements
Certifications/Declarations	CE, RoHS

Physical Specifications

Dimensions (cm)

9,9 x 7,8 x 6,5

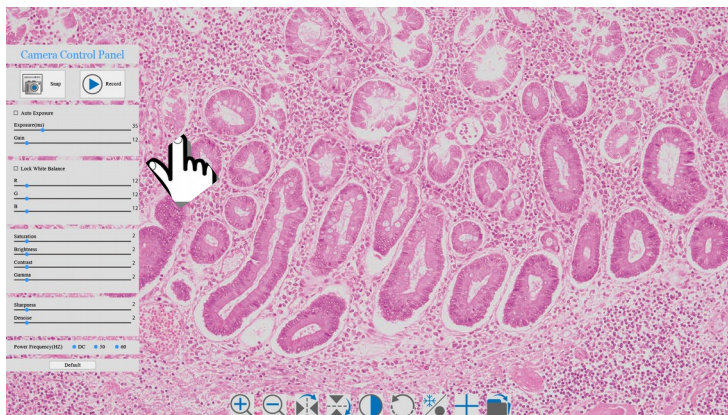
Weight (kg)

0,55 (camera body only - without box and cables)

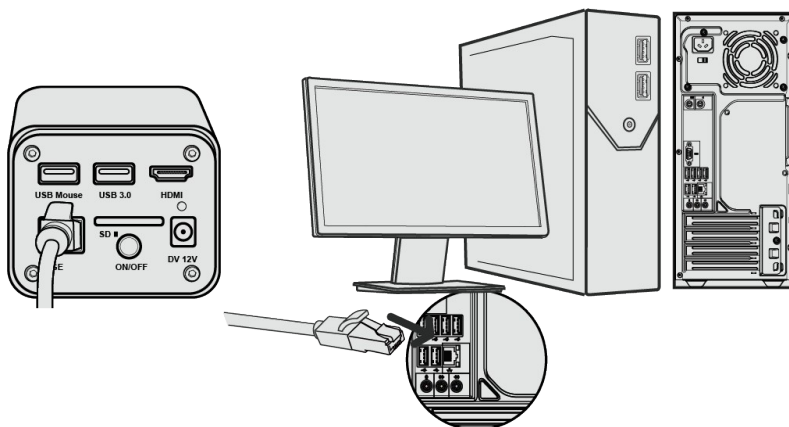
Package Contents

- camera
- power supply
- HDMI and USB 3.0 cable
- USB mouse
- Windows software ImageView on CD with user guide (English)

Special Features



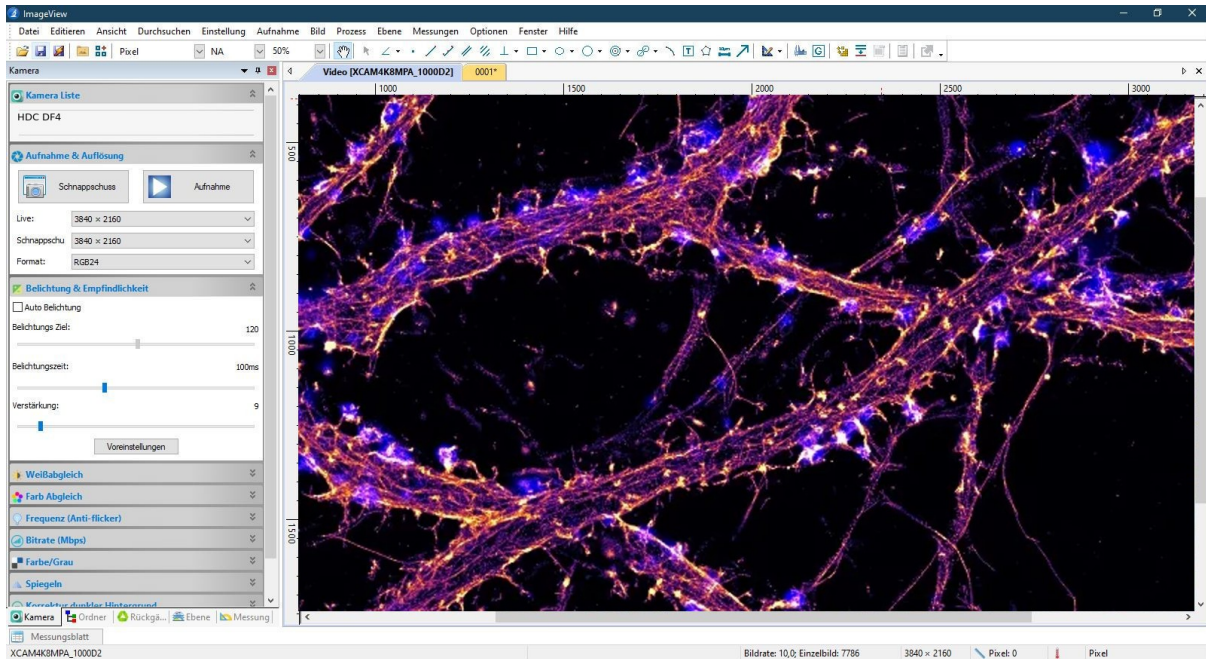
On Screen menu for camera control in HDMI mode - the user controls all the functions of this mode using a USB mouse which is connected directly on the USB port of the camera.



Video Stream over Ethernet - Video stream transfer through the GE (GigaBit Ethernet) adapter of the camera to your PC (the camera appears as source in the Windows application)



ImageView Software Functions



- User Interface Multi Language Support (German, English, French, Spanish, Italian, Polish etc.)
- Camera settings (exposure, gain, white balance, colour adjustment etc.)
- Image and Video Recording (jpg, png, tif, pcx, tga, jp2, j2k, dcm, webp, tft, dng, mp4, wmv, avi)
- Measurements (angle, line (2/3 points), radius, arc etc.)
- Standard Image Processing (rotate, crop, resize, histogram)
- Auto Image Sticking, Live Image Sticking
- Auto Capture (time lapse)
- EDF (extended depth of field)
- HDR
- Segmentation and Counting (5 methods)
- Denoise, Sharpen, Deinterlace
- Color composite
- etc.