



CAMERA SPECIFICATION

Model:

OPTIKAM HDMI EASY

Typology:

MULTI-PURPOSE CAMERA

Description:

HDMI CS-mount camera

| | |
|----------------------------------|---|
| PC camera resolution | 5 MegaPixels |
| TV camera resolution | 1 MegaPixels |
| Signal output | USB 2.0, HDMI |
| Audio Signal | NO |
| Sensor Size | 1/2.33" |
| Sensor technology | Panasonic CMOS |
| Image format | 16\9 |
| Full Image size | 2976 x 1674 (interpolated 4320 x 2430) |
| Pixel size | 1,43 x 1,43 micron |
| USB Frame rate Full resolution | 30 frames/sec on USB: 1280 x 720, 30 frames/sec on HDMI: 1280 x 720 |
| USB Frame rate other resolutions | Always 30 frames/sec on USB : 640 x 480 , 800 x 600 , 1024 x 768 |
| Sensitivity | 0.7 V/Lux-Second at 550nm |
| Signal / noise ratio | 40dB |
| Dynamic range | 70 dB |
| Max Exposure time | Automatic |
| ADC conversion | 12 BIT |
| Color Depth | 8 BIT |
| ON board Memory | NO |
| External Memory Card | 2GB MicroSD |
| External camera power | 5V-12V 1000mA |
| Cooling system | NO |
| External Cooling power | NO |
| On camera case IR Filter | 650 nm |
| Automatic White Balance | Auto |
| Automatic Gain Control | Auto |
| Automatic Back light control | Auto |
| Exposure control | Auto |
| C-Mount connection | YES, available |
| CS-Mount connection | YES, ready |

ACCESSORIES

| | |
|--|--|
| CS-mount to C-mount Ring | SI |
| Optical adapters | NO |
| Adapters for Binocular & Monocular microscopes | NO |
| Calibration Slide | YES |
| Always Included | 1.8 m HDMI cable, 1.8 m USB cable, power supply, MicroSD, Installation manual, CD Rom. |

SOFTWARE SPECIFICATION

| | |
|---------------------|--|
| System requirements | Windows Vista / win7 / win8 / 32-64 bit / usb 2.0 |
| Supplied Software | Optika Vision Lite |
| Driver types | No Driver (Microsoft Driver) |
| Capture features | Continuous auto white balance, continuous auto exposure, image size, image capture, compressed video capture |
| Control parameters | Automatic settings |

GENERAL CAMERA SPECIFICATION

| | |
|---------------------|--------------------------------|
| Working temperature | +0 up to +50°C |
| Storage temperature | -10 up to +50°C |
| Relative Humidity | up to 80% |
| Dimensions | 5,6 x 5,5 cm Height: 6,5 cm |
| Weight | 130 gr |



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