

# HD Mini color camera

with HDMI interface

VC.3023

## HIGHLIGHTS

- High definition 1080P color camera
- Real time images directly on TV, monitor or beamer
- Stand-alone
- Built-in mouse controlled software
- C-mount interface
- HDMI and SD memory card

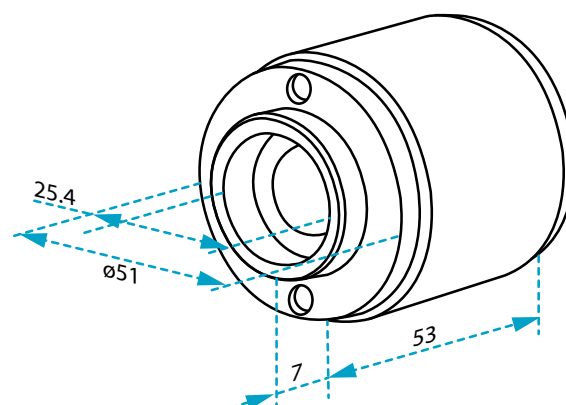
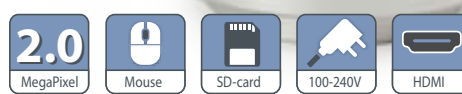
## TECHNICAL SPECIFICATIONS

|                          |                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Sensor</b>            | HDMI 2.0 Mega pixels CMOS high sensitive sensor (Sony)                                                                          |
| <b>Format</b>            | 1/2.8 inch, HDTV 1080p                                                                                                          |
| <b>Pixels</b>            | 1920 x 1080 pixels (capture mode)<br>1920 x 1080 pixels (live mode)<br>HDMI 60 fps                                              |
| <b>Scan mode</b>         | Progressive scan                                                                                                                |
| <b>Pixel size</b>        | 2.9 x 2.9 $\mu$ m                                                                                                               |
| <b>Noise</b>             | 3D algorithm                                                                                                                    |
| <b>Sensitivity</b>       | 1300 mv/lux-sec                                                                                                                 |
| <b>Color rendering</b>   | 12 Bits                                                                                                                         |
| <b>Signal/Noise (db)</b> | 42                                                                                                                              |
| <b>Dynamic (db)</b>      | 69                                                                                                                              |
| <b>White balance</b>     | Automatic/manual/ROI                                                                                                            |
| <b>Interface</b>         | HDMI                                                                                                                            |
| <b>Storage</b>           | Images are saved to a standard high speed 32 GB SD memory card (Recommend using SD card of class 4 or higher and $\leq$ 128 GB) |
| <b>Mounting</b>          | C-mount interface                                                                                                               |
| <b>Power supply</b>      | DC 12V/ 1A adapter                                                                                                              |
| <b>Operation</b>         | -10~ 50 Celsius, 30~80%RH                                                                                                       |
| <b>Storage</b>           | -20~ 60 Celsius, 10~60%RH                                                                                                       |
| <b>Supplied with</b>     | HDMI cable, DC 12V/ 1A power supply, 32 GB SD Card, USB mouse, 0.37x c-mount adapter, 23.2~30.0/ 30.5mm adapter rings           |

**Suitable for all Euromex microscopes and most Zeiss, Leica, Olympus and Nikon models.** See our adapters on our website



VC.3023



## ON SCREEN CONTROLS (NO NEED FOR COMPUTER)

- Capture images and video to SD
- Digital zoom in/out
- Mirror/Flip
- Freeze
- Cross line
- Embedded file browser
- Video playback
- Multiple language support
- Measurement
- Camera settings (white balance, color control etc)

**Compatibility** Suitable for all HDMI screens, monitors and beamers  
**Product number** VC.3023

| MODELS      | Sensor     | Pixel size ( $\mu$ m) | Resolution  | Signal/Noise (db) | Sensitivity     | Color rendering (bits) | Dynamic (db) | 13 HD screen |
|-------------|------------|-----------------------|-------------|-------------------|-----------------|------------------------|--------------|--------------|
| VC.3023     | 1/2.8 inch | 2.9 x 2.9 $\mu$ m     | 1920 x 1080 | 42                | 1300 mv/lux-sec | 12                     | 69           | --           |
| VC.3024-HDS | 1/2.8 inch | 2.9 x 2.9 $\mu$ m     | 1920 x 1080 | 42                | 1300 mv/lux-sec | 12                     | 69           | •            |

