

# HD-CAP Full HD 1080p SD-Card Image Capture Device

with Digital Graticule Overlay on Live Image



State of the art external SD-card Capture device with industrial grade aluminium housing for professional applications. Capture, save and display still images from any Optilia HD Inspection Camera Microscope without use of PC. Overlay CAD drawings, Images and Custom Designed Patterns as Digital Graticule on live image of the streamed video.

## Capture on SD-card

Capture and store 32 GB of high resolution Full HD still images on SD-card before downloading to your computer. Use the menu system of HD-CAP to scroll between stored images and display them on the monitor. Design and save your custom designed "Digital Graticules" on the same SD-card for overlay on live video! HD-CAP distinguishes Graticule Images automatically from other pictures and lets you select and confirm the graticule to superimpose on live video.



## True HDMI Digital Connection

HD-CAP works with the newest capture technology and streaming hardware enabling you to capture video in the highest possible quality. Besides grabbing still images, HD-CAP features the HDMI output of the live video. HD-CAP's HDMI 1.3 output is designed for highest quality live streaming of Full HD video and overlays to LCD monitors without delay.

## Full HD Resolution

HD-CAP loops the Full HD video image of the High Definition Camera and captures professional Full HD images with 1920 x 1080 pixels resolution from the image sensor's full quality without compression.



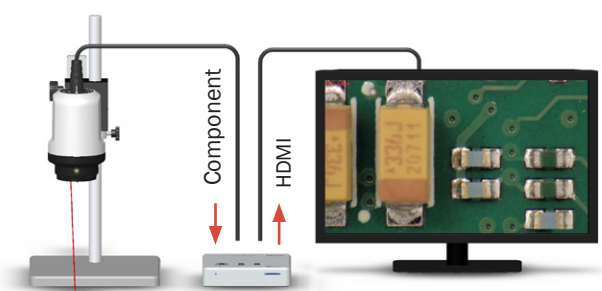
## Display of Reference Images via USB port

HD-CAP allows you to access still images on the SD-Card and simultaneously display them on a second monitor. This function is extremely useful when you need a "reference image" next to the live image of your inspection object.

## Digital Graticule

A transparent or semi-transparent picture can be blended with the live image by HD-CAP. Start with CAD file of your part or product and generate your own "Digital Graticule" containing measurement lines, geometry figures, patterns, annotations, etc. Graticule images are saved on SD-card in PNG format and automatically recognised by HD-CAP for superimposing on live video of your HD inspection camera.

*A great complement to Optilia's  
HD Inspection Cameras!*



# Technical specification:

HD Formats Supported ○ 1080p/60, 1080p/59.94 1080p/30, 1080i/60, 1080i/59.94, 1080i/50, 1080p/30, 720p/60, 720p/59.94, 720p/50

Inputs ○ HD Component Y/Pb/Pr Video, DC in 5-pin MiniDin, mini USB, External Switch Stereo

Output ○ HDMI 1.3, USB2.0

Output Format ○ Same as Input Format

HDMI Colour Space ○ YUV 4:2:2

Colour Space Conversion ○ Hardware based Real-Time

Still Image Storage ○ Removable SDHC Card up to 32GB

Still Image Format ○ JPEG

Overlay Function ○ Alpha blending image element on the top of the video stream

Overlay Image Format ○ PNG

Storage Environment ○ -10° - +60°C, 20 - 95% RH, non-condensing

Operating Environment ○ 0° - +40°C, 20 - 95% RH, non-condensing

Power Requirement ○ 12.0 1.0 VDC, 24.0 W max

Weight ○ 800 g. max

Size ○ 133.5 (W) x133.5 (L) x30 (H) mm

Housing ○ Industrial grade Anodised Aluminium with GND connection point

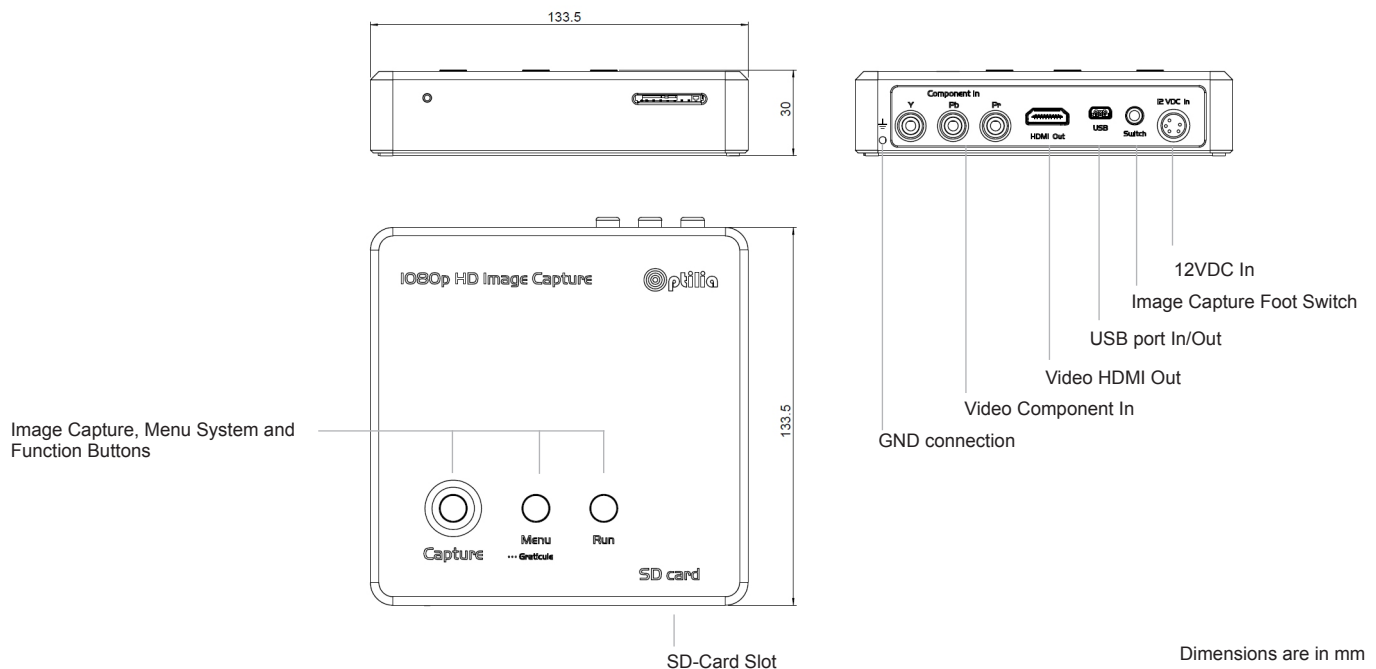
Models ○ Item No. OP-009 080 Full HD 1080p SD-Card Image Capture Device

Item No. OP-009 081 Full HD 1080p SD-Card Image Capture with Digital Graticule

Optional Accessories ○ Item No. OP-006 400 Digital Graticule (custom designed)

Item No. OP-006 401 Foot Switch for SD-Card Image Capture Device

## Overall view:



Empowering your Vision!

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