Model Name: Tucsen Metrics

Description: High-End Microscope Camera with HDMI/USB Interface and extended measurement capabilities.

Technical Specifications

Preview/Capture resolution (pixels)	1920x1080 / 3264x1840
Signal type output	HDMI
Signal type output (additional)	USB 2.0, SD card
Sensor and pixel size	1/2,8" 2,8x2,8 µm
Sensor type	SONY IMX236
Frame display rate at full resolution (fps)	60 (HDMI mode, 1920x1080), 30 (USB mode, 1920x1080)
Frame recording rate at full resolution (fps)	30 1080p (SD card or PC)
Recording location	SD card (HDMI mode), PC (USB mode)
On-board memory	-
External memory	SD card
External power	12V DC
Connection	Standard C-mount
Exposure time	0.001 sec—10 sec (automatic and manual)
System requirements (USB mode)	xp,win7/8(32/64bit)
System requirements (HDMI mode)	Monitor with HDMI input port
Functions of the on-screen menu	Recording of photos and videos, built-in measurement function, zoom in/out, image mirroring, image and video gallery with playback capability direct from the camera to the moni-

Physical Specifications

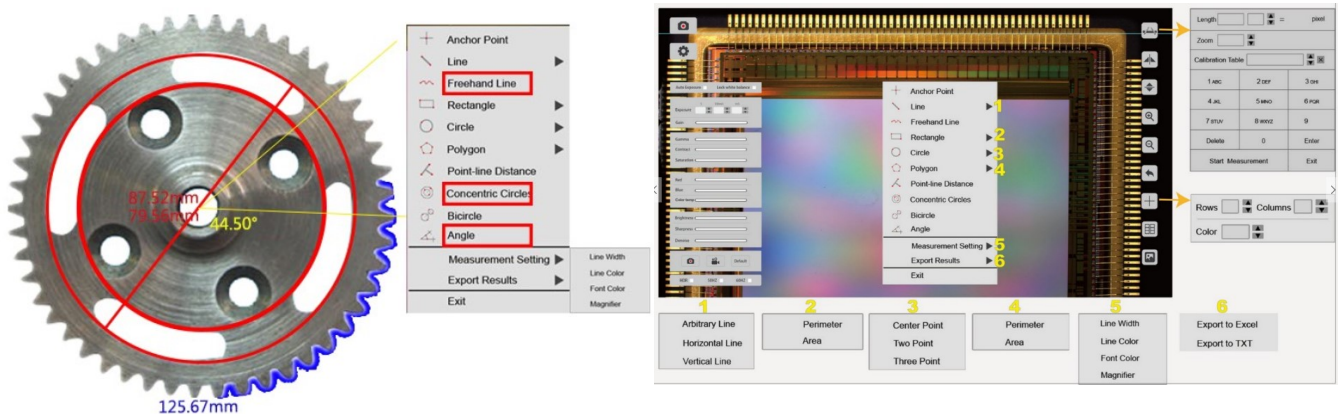| Dimensions (cm)	9 (L) x 7 (H) x 8 (W)
Weight (kg)	0,45

Package Contents

Camera, 220V/12V DC power supply (EU), HDMI- and USB cable, USB mouse, TCapture for Windows (CD, English). Optional available: c-mount to 23/30/30,5 mm adapters and calibration sheets

Special Features

Build-in mouse control: the user controls the on-screen menu in HDMI mode through a USB mouse connected directly on the back of the camera.

Extended Measurement: The Metrics provides extremely powerful measurement functionality including: freehand lines, rectangles, polygons, circles, bicircles, angles, point-line distance and much more. In addition to the ability to measure point-line distance, angles, the length of curves and lines, the camera can measure the perimeter & area of enclosed features such as: rectangles, polygons, and circles. The unique calibration and magnification functions coupled with the ability to export the results to Excel or text files, make the measurements more convenient and simple.