PRO-7 3D 5M

PROMICRA

All-in-One 3D 5 MP Digital Measuring Microscope
Easy and Responsive Sample Inspection, Acquisition, Documentation, and Measurement without a Computer

Basic configuration of PRO-7 3D 5M microscope

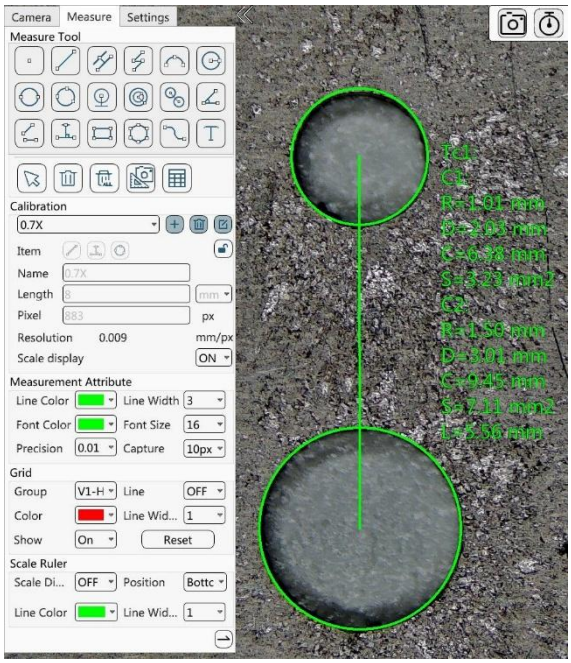
Features and Functions:

- **All-in-One digital microscope that does not require a computer, saving both space and financial resources**
- **Built-in 11.6" Full HD monitor** with HDMI connection for a second device: TV, projector or secondary monitor
- **Microscope functions operated via a wireless mouse** directly on the device monitor
- **Unique capability for spatial observation using a 3D adapter**; seamless switching between 2D and 3D observation; same central position for both standard 2D and 3D observation
- **Wide optical zoom range of 7:1 (0.7 – 5×) with constant focal plane and click-stop positions**: 0.7×, 1×, 1.5×, 2×, 2.5×, 3×, 4×, 5×
- **Built-in HD digital camera with 5 MP image resolution**
- **Smooth live view with Full HD resolution (1920 × 1080 px) at 60 fps**
- **Integrated computer with measurement software**
- **Built-in powerful LED ring light illuminator** with adjustable intensity, providing homogeneous sample illumination
- **Wide range of measurement functions** in live view with the option to save into images
- **Adding text notes with an arrow** to the live view with the option to save them into images
- **Saving 5 MP (3072 × 1728 px) images, Full HD (1920 × 1080 px@30fps) recorded videos and measurement results** to a connected USB flash drive or microSD card
- Time-lapse imaging
- Viewing saved images and videos directly on the device
- Exporting measurement results to a CSV file (compatible with Microsoft® Excel® and other spreadsheet software)
- Easy handling and quick system startup

Scan with your smart phone to view 3D observation demonstration videos

- Ergonomic positioning of the built-in monitor to reduce user fatigue
- Optional extension with an additional 0.5× objective lens
- Optional advanced stands such as a transmitted light stand, boom stands, and LED illuminators
- Certifications: CE, RoHS
- Dimensions including the built-in monitor (w × d × h): 28 × 33 × 46 cm (11 × 13 × 18.1 in); weight: 4.6 kg
- Suitable also for educational purposes

Measurement Functions:



- Measurements directly in live view with the option to save measurements into acquired images
- Selection of units and number of displayed decimal places
- Point coordinates
- Line segment length, distance between parallel lines, polyline length
- Radius and angle of an arc
- Circle defined by radius, diameter, or three points: radius, diameter, perimeter and area
- Distance of the circle center from a reference line
- Concentric circles – radii, diameters, perimeters, areas
- Distance between the centers of two circles
- Angle defined by three points
- Angle defined by two line segments with the vertex possibly outside the field of view
- Perpendicular distance from a reference line
- Rectangle – perimeter and area
- Polygon – perimeter and area
- Display of scale bar, central cross, rulers and grids
- Automatic snapping of measurement points to edges in the image
- Options to choose the color and thickness of measurement object lines

Magnification Specifications:

Objective Magnification	1× (included)	0.5× (optional)
Total magnification on the built-in 11.6” monitor	14× – 99×	7× – 50×
Total magnification on optional 24” monitor	29× – 205×	14.5× – 103.5×
Field of view	17.5 × 9.9 mm – 2.6 × 1.4 mm	36 × 20 mm – 5 × 3 mm
Working distance	110 mm	180 mm

Parts of the Basic Configuration:

The microscope body with a 7:1 zoom and built-in 1× objective lens, 5 MP built-in digital camera, integrated computer with measurement software, built-in 11.6” Full HD monitor, 12V power supply, ring light LED illuminator, 3D adapter for spatial observation, stand with a flat base measuring (w × d) 26 × 32 cm and a column of 45 cm height, wireless mouse, and USB flash drive for saving images, videos, and measurement results.