Tmetrics T20 Smart 3D Microscope, 16×–160× Optics, 1080p 60 fps, HDMI

Model Tmetrics T20 · waveqvanta.com/products/tmetrics-t20-3d-microscope-camera

A smart 3D microscope with a built-in 16×–160× optical system and 1080p HDMI output for EDF and height measurement.



The Tmetrics T20 is a complete smart 3D microscope with an integrated 16×–160× optical system and a 2 MP camera that outputs 1920 × 1080 at 60 fps over HDMI. Example uses include extended-depth-of-field (EDF) imaging of material sections and surface traces, and height measurement of pin headers.

Key features

- Integrated 16×–160× optical system
- 2 MP imaging: 1920 × 1080 with 3.75 µm pixels and an 8 mm diagonal field of view
- 60 fps at 2 MP over HDMI
- Extended-depth-of-field (EDF) imaging of material sections and surface traces
- Height measurement examples include electronic pin headers

Specifications

Optical Magnification	16× – 160×
Resolution	1920 × 1080 (2 MP)
Pixel Size	3.75 µm × 3.75 µm
Array Diagonal	8 mm
Frame Rate	60 fps @ 2 MP
Data Interface	HDMI

Typical applications

- EDF imaging of material sections
- EDF imaging of surface traces (e.g. shells)
- EDF observation of small biological specimens
- Pin header height measurement