

From Eye to Insight



## TECHNICAL INFORMATION

Emspira 3 digital microscope

### Key features in stand-alone mode

On-screen display	Customizable user interface for quick and intuitive control of the system without the need for a PC
Integrated measurements	Perform quick and simple dimensional measurements using the live image
Overlay creation	Create customized overlays directly on the system and recall them to guide the inspection process
Comparison functionality	Make fast decisions by comparing the live image directly to reference images or customized overlays
Data storage & transmission	Save images on USB storage devices, network folders, or send them directly via e-mail

# SPECIFICATIONS

## General optical data

Max. resolution	337 lp/mm
Max. FoVx	76,1 mm
Max. FoVy	42,8 mm
Max. DoF	40,5 mm
Working distance	303 – 19 mm

## Optical data for PlanApo 1.0x

Max. measurement accuracy @ 0,75x zoom	+/- 1%
Max. measurement accuracy @ 6.0x zoom	+/- 0.5%

## Objective optics carrier

Coding	Fully coded zoom
Click-stop feature	Eight switchable positions, for repetitive tasks

## Microscope camera specifications

Live image on an HDMI monitor	at up to 60 fps (3,840 × 2,160 pixels)
Full-screen image capture	at 12 MP
File formats	JPG, TIF, BMP

## Housing

Antimicrobial surface	AgTreat™ according to ISO 22196
Protection rating	IP 21

## Magnification range

Monitor 10" with Achr. objective 0.32x	total magnification 23:1
Monitor 28" with Achr. objective 0.32x	total magnification 65:1
Monitor 10" with PlanApo objective 5.0x	total magnification 360:1
Monitor 28" with PlanApo objective 5.0x	total magnification 1027:1

## Software & connectivity

Compatibility	USB 3.0, standard USB type C, lockable
High-definition connector	HDMI 2.0a, HDMI plug type A
USB connectors	4x USB 2 connectors, type A
Controls	USB mouse Optional: keyboard, touch screen, footswitch
Supported software	LAS X 5.0.2 and higher



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