

# ZEISS OPMI PENTERO 900



## ABOUT

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The Zeiss OPMI Pentero 900 surgical microscope combines innovative design and advanced functionalities in a fully integrated platform. Enhanced key features and new visualization methods elevate its performance. It offers state-of-the-art optics, delivering detailed, natural color, and crystal-clear images. The Pentero 900 allows viewing through eyepieces and an integrated HD touchscreen display. Its built-in HD video chain, including a camera, recorder, editor, and monitor, eliminates the need for external components. The HD system is configurable and controllable via the central touchscreen, handgrip, or foot switch, maximizing flexibility and surgical efficiency.



## FEATURES

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- Varioskop, Achromatic 200-500mm working distance
- Laser Autofocus
- Multi-vision with Image Overlay and Data Display
- Superlux 330 with dual 300W Xenon illumination
- Auto Balance via push button
- Auto Vacuum Drape
- Integrated High Definition Video Camera, Recording and Editing
- On-board High Definition Monitor for Video Streaming or Touchscreen User Interface
- Supports Navigation, Infrared 800, Flow 800, Blue 400, Yellow 560
- LAN and DICOM interface



# SPECIFICATIONS



## WEIGHT

Weight aprox: 358 kg

weight of system incl. transport container: aprox 610 kg

## RATED VOLTAGE

(115V): 100 V - 125 V

(230 v0): 220 V - 240 V

## CURRENT CONSUMPTION

Max. 1.200 VA

## RATED FREQUENCY

50 Hz - 60 Hz

## APOCHROMATIC OPTICS

**Motorized focus:** Varioskop® with a working distance of 200 – 500 mm

**Motorized zoom:** 1:6 zoom ratio

10x magnetic widefieldpentero\_900ld eyepieces with integrated eyecups

Autofocus with 2 visible laser dots, automatic mode with magnetic brakes

## ILLUMINATION

Superlux® 330 light source with 2 x 300 W xenon  
Automatic Iris Control for adjusting the illumination to the field of view

Individual light threshold setting

Focus Light Link: working distance controlled light intensity

Display of remaining lamp lifetime

## SYSTEM OPERATION

Multifunctional programmable handgrips

Magnetic clutches for all system axes

Central user interface

XY robotic movement in 3 axes (variable speed)

## VIDEO

22" HD video touchscreen on an extendable arm

Integrated 3-CMOS SD video camera

Integrated video still image capturing on HDD and USB media