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## TOPCON 3D OCT-2000 optical tomograph - ophthalmological (Reconditioned)

- Condition: Refurbished (used)
- Technical condition: Excellent
- Visual condition: Excellent (actual product photos available)
- Origin: Made in Japan
- Power supply: 230 V / 50/60 Hz
- Power consumption: 400 VA
- Software: 3D OCT – version 8.01

### Product Description:

The TOPCON 3D-OCT 2000 combines a high-quality digital fundus camera for color imaging with a modern spectral-domain optical coherence tomograph (OCT). Its high scanning speed (50,000 A-scans/s) and high resolution (5µm) allow for the construction of detailed 3D spatial images of examined tissues, enabling the observation of even the smallest pathological changes.

Thanks to noise-reduction algorithms and Infrared/3D tracking technology, the OCT cross-sections perfectly illustrate the structure of the vitreous body and retina. The device provides various tools for layer segmentation, extraction, cropping, smoothing, and displacement.

### Key Features:

- PinPoint Registration: Allows the operator to correlate specific details on a fundus photo with 2D/3D OCT scans or thickness maps.
- Integrated Fundus Camera: Features a high-quality 16.2 Mpx digital camera for detailed imaging of the eye's structure.
- Anterior Segment Analysis: Enables imaging and analysis of the cornea and the anterior chamber.
- Diagnostic Tools: Includes distance measurement, curvature measurement, and anterior chamber angle measurement.

### Technical Specifications:

- Field of View: 45°
- Working Distance: 40.7 mm (fundus photography) / 63.7 mm (anterior segment photography)
- Minimum Pupil Diameter: Ø 4.0 mm (standard); Ø 3.3 mm (small pupil mode)
- OCT Scanning Area: Ø 2.5 mm or more
- Macula 3D Scan: 512×128 (128 horizontal lines of 512 A-scans), 6×6 mm
- Macula Radial Scan: 1024×6 or 12 (radial lines of 1024 A-scans), 6 mm
- Disc 3D Scan: 512×128 (128 horizontal lines of 512 A-scans), 6×6 mm
- Disc Circle Scan: Ø3.4 mm, 1024 A-scans
- 7-line Raster: 4096 A-scans per B-scan, 6 mm
- Scan Speed: 50,000 A-scans per second
- Lateral Resolution: <20µm
- In-depth (Axial) Resolution: 5 µm – 6 µm
- Internal Fixation: Matrix LCD display (adjustable position and presentation method)

### Included Components:

1. NIKON D7000 Camera: 16.2 Mpx resolution (DX format), CMOS sensor.
2. ADVANTECH POC-W242 All-in-One PC:
  - 24" Full HD IPS LED Touchscreen
  - Intel Core i7-4650U Processor (1.70 GHz)
  - 8 GB RAM / 2 TB HDD
  - Windows 10 Pro Operating System
3. MAGNETIC Mobile Table: Electric height adjustment (68 – 100 cm).
4. Accessories: Power cord, dedicated lens protector, DELL wired mouse and keyboard, OKI C332 printer.

### General Information:

- OCT Software Language: English
- Windows Language: Any language selectable
- Total Dimensions: 120 x 70 x 133 / 165 cm
- Weight: 100 kg
- Status: Fully serviced, tested, and ready for clinical use.
- Documentation: Technical Passport (Service Report) valid for 12 months included.

### Warranty:

- Domestic (Poland): 6 months
- International: 3 months
- Option to extend the warranty to 12 months for an additional fee. The warranty does not cover bulbs or other light sources.

