



FALCO 3D, 2D medical visor, 4x magnification system, plug and play

FALCO 2D/3D Viewer – Universal Magnification System version, with 4X universal magnifier, plug & play, wireless.

Available on request

SKU: FK301DV

Categories: FALCO system

Description

FALCO 3D – Universal Magnification System

Advanced optical magnification, maximum comfort, effortless usability

FALCO 3D is engineered to deliver outstanding performance across dental, surgical, and educational environments. Its modular optical system offers a choice between 2.5x and 4x magnification, allowing clinicians to adapt visual precision based on the complexity and type of procedure. With a generous 6 cm depth of field and an adjustable working distance ranging from 30 to 50 cm, the device ensures continuous focus even during micro-movements. Weighing just 490 grams and equipped with a powerful integrated LED lighting system (32,000 Lux), FALCO 3D ensures long-lasting visual comfort, clarity, and efficiency during extended procedures.

Visual Customization & Operator-Centered Design

Fully compatible with prescription eyewear and customizable with corrective lenses for myopia or astigmatism, FALCO 3D adapts seamlessly to the individual needs of each operator. The front-mounted optical module can be precisely adjusted in angle and position, helping users maintain their natural posture or enhance it ergonomically. Most importantly, FALCO 3D is a **true plug-and-play system**: it requires no PC, no software, and no installation. Simply power it on and start working. Its integrated battery supports up to 8 hours of uninterrupted clinical use.

Why FALCO 3D Outperforms Traditional Loupes



Unlike conventional galilean or prismatic loupes that restrict movement and require fixed, often uncomfortable postures, **FALKO 3D redefines ergonomic visualization**. Its interchangeable magnification objectives and adjustable working distance provide unmatched freedom of motion, preventing muscle strain and improving precision. A peripheral and direct field of view remains active even when using the optical module, thanks to a detachable magnetic see-through screen that offers both full or partial transparency. The load is intelligently distributed, relieving pressure from the nasal bridge. Furthermore, no interpupillary distance adjustment is required—FALKO automatically adapts to a visual span of 55 to 70 mm. With an intuitive user interface and virtually no learning curve, it is accessible to every member of the clinical team—from doctors to hygienists and assistants.

Empowering Clinical Education & Remote Collaboration

Ideal for dental schools, training centers, and live case sharing, FALKO 3D supports real-time observation and interactive learning. Its immersive visual experience enhances clinical training and fosters communication between instructors, operators, and students—both in person and remotely. Whether in the operatory or the classroom, FALKO bridges the gap between traditional teaching and modern digital dentistry.

Technical Specifications – FALKO 3D Wireless Viewer

- Optical magnification: **2.5x / 4x** (interchangeable)
- Integrated **4x front camera**
- **High-intensity LED** illumination: up to 32,000 Lux
- **Standalone system** – No PC or software required
- **Plug & Play** usability
- **Weight**: 490 grams
- **Battery life**: Up to 8 hours

Professor Fernando Zarone speak about FALKO System.