



FALCO X5 wearable digital magnification system for dentistry

FALCO X5 is a wearable digital magnification system with a built-in battery for dental, medical and surgical use, offering continuous autofocus from 25 to 50 cm and integrated LED illumination. Magnification changes with working distance: 6× at 25 cm, 5× at 40 cm and 4× at 50 cm.

Available on request

SKU: FK301DV-X5

Categories: FALCO 3D Visors

Description

FALCO X5 is a **wearable digital magnification system** with a built-in battery for dental, medical and surgical applications. These digital loupes are designed to accommodate changes in working distance during clinical procedures. Continuous autofocus keeps the image in focus throughout the 25–50 cm range, without the need for a personalised working distance.

Continuous autofocus from 25 to 50 cm

As the clinician changes position and moves closer to or further from the operating field, FALCO X5 continuously adjusts focus within the 25–50 cm range. Move closer for greater detail or further away for a wider view, without manual focus adjustment.

Magnification adapts to working distance

Magnification and autofocus work together: 6× at 25 cm, 5× at 40 cm and 4× at 50 cm. Move between close-up detail and a wider view as your working distance changes, without interrupting the procedure.

The operating field in your headset

The digital camera with autofocus presents a single magnified image in the micro-OLED headset. In dental use, FALCO X5 lets you move from fine detail to a view of the entire mouth and then to direct vision, without lifting the headset.

Integrated, adjustable LED illumination

The LED light is included as standard and produces a circular spot. Adjust the light intensity to suit the procedure, and use the integrated filter to prevent premature composite curing when required.



No custom working distance or optical fitting

FALKO X5 does not require a working distance tailored to the individual user or a personalised optical fitting. The same system can therefore be used by several clinicians in the practice or clinic.

Dental, medical and surgical applications

FALKO X5 provides a magnified view of the operating field for clinical and surgical work within its 25–50 cm working distance range. Dental applications include restorative dentistry, endodontics, prosthodontics, periodontics, implant dentistry and oral surgery. The system also supports magnified observation in medical practice and outpatient surgery.

FALKO X5 technical specifications

Type	Wearable digital magnification system with built-in battery
Display	Micro-OLED headset
Magnification	6× at 25 cm · 5× at 40 cm · 4× at 50 cm
Focus	Continuous autofocus throughout the working distance range
Working distance range	25–50 cm
Video latency	< 50 ms
Illumination	Integrated LED light, adjustable intensity, circular spot and filter to prevent premature composite curing
Battery life	Approximately 8 hours
Classification	Class I medical device · CE – Regulation (EU) 2017/745 (MDR)