



Station for managing multimedia and pip flows, FALKONNECT 3D

Multichannel and multiwindow medical video processor for the management, selection, streaming and archiving of video signals from imaging equipment.

Available on request

SKU: FK701DTR

Categories: Video Management Devices

Description

FALKONNECT 3D - Advanced Multi-Channel Video Processor for Medical Imaging

Professional Video Management System - Plug & Play Simplicity

FALKONNECT 3D is a next-generation solution for managing and distributing video signals from medical imaging devices to clinical displays and streaming platforms. Its **multi-channel**, **multi-window architecture** enables the **simultaneous handling of up to four video streams**, allowing real-time switching, visualization, and distribution with advanced flexibility.

Completely **plug & play**, the system operates without the need for a computer, software installation, or operating system—ensuring **fast startup**, **exceptional reliability**, and **streamlined workflow integration** in demanding medical environments.

3D Visualization from Standard 2D Video Sources

FALKONNECT 3D includes a unique feature that allows the transformation of either a single 2D video signal or two Picture-in-Picture (PIP) sources into a **stereoscopic 3D view in Side-by-Side format**. This 3D-induced mode can be viewed with compatible 3D headsets or displays, significantly enhancing **depth perception and visual accuracy** during surgical or microsurgical procedures, particularly in **dental and medical specialties**.

Built for Dentistry and Modern Clinical Workflows

Built for complex and interactive clinical environments, FALKONNECT 3D seamlessly integrates with a wide range of imaging devices such as **surgical microscopes**, **ultrasound scanners**, **intraoral cameras**, **and navigation systems**. It supports **high-resolution image capture and 4K video recording**, while its PC



connectivity enables **remote medical collaboration** and **live or recorded training sessions**, making it a valuable tool for both practitioners and educators.

Technical Highlights

- Plug & play operation no software, no operating system required
- Converts 2D or PIP video sources into 3D stereoscopic output (Side-by-Side)
- 4 HDMI 2.0 inputs supporting 4K60, 4K30, and 1080p@60
- 3 HDMI 2.0 outputs compatible with 4K and Full HD monitors
- 4 USB-B ports for input from external computers or imaging sources
- 2 USB-A ports for mouse, keyboard, or head-tracking devices
- 1 USB-A output to power accessories (e.g., FALKO headset receiver)
- 3.5 mm audio output for supplemental sound
- RS232 service port for maintenance and diagnostics
- Flexible display options: single, dual, or multi-window (4, 3, or 2 views)
- Full control over window size, layout, and PIP transparency
- Manage multiple video sources via mouse, keyboard, or IR remote
- Simultaneous control of up to 4 PCs with a unified input system
- IR remote included (up to 5 m range)
- Power supply: 12V DC 3.5 A

For further details about FALKONNECT 3D, please visit the dedicated page.

Watch FALKONNECT 3D in action

