

SwiftAgent™ TFS-2

All-in-one hybrid switcher



- **AI-powered camera tracking and framing**
- **Unified production and presentation switching in one software-based platform**
- **Intuitive screen control and workflow automation**
- **Brand-agnostic device compatibility**

Powerful production & presentation switcher combined

Barco SwiftAgent is a software based switcher designed to simplify modern event production for both onsite and hybrid environments. It integrates production switching, presentation control, and automated camera operations into a single, scalable platform.

Always backed by live intelligence

Powered by AI, SwiftAgent analyzes live scenes, tracks presenters, and selects optimal camera angles in real time, regardless of the camera brand, reducing manual intervention and lowering the need for specialized AV and broadcast expertise.

Simplified workflows, enhance results

With centralized management and AVoIP connectivity, SwiftAgent enables flexible deployment across rooms, campuses, or remote locations. Its intuitive interface offers streamlined screen management, automated workflows, and reliable streaming tools for consistent, high quality output.

Ultimate flexibility

The system supports brand-agnostic devices, allowing seamless integration into existing infrastructures.

Ideal for solo operators or small teams, SwiftAgent enhances efficiency, minimizes setup time, and delivers professional grade event coverage with accuracy and stability. It's a smart, future ready solution for organizations seeking reliable, scalable event production capabilities.

技术规格

SWIFTAGENT™ TFS-2

Notes

Notes 本文档中的规格是初步的

能力

Operation 通过 Web 界面或 JSON REST API

Network connections LAN RJ45 2 个, 1GB/s; SFP+ 2 个, 10GB/s; QSFP28 2 个, 100GB/s

Inputs 最多支持 3 个 ST-2110-20 / IPMX (最高支持 3840x2160 @ 60Hz)

Outputs 最多支持 4 个 ST-2110-20 (最高支持 3840x2160 @ 60fps)

Processing capacity 可同时处理多达 3 个输入和 4 个输出 (每个可达 3840x2160 @ 60Hz)

Multi-viewer 1 个多画面显示器, 可通过 DP1.2 接口 (上限 3840x2160 @60 Hz) 或 AVoIP 格式 (NDI、webRTC、RTSP 等) 输出多画面显示器输出计入系统输出 (见上文)

Integrated mixer function 制作切换台, 包括机械定位和数字摄像机跟踪

Camera AI functionality 人员探测、自动跟踪和自动混合
可启用多达 4 个输入以支持 AI 功能

Audio 音频 (去) 嵌入/混合, 每个输入或输出 2 个通道, 支持 PCM/OPUS/ST-2110-30 (即将推出)

Clock PTPv2 (支持 BMC)

AVoIP routing NMOS IS-04/05 路由, 带内部/外部 NMOS 注册表 (可配置)

Picture in Picture (PIP) 每个输出最多支持 64 个独立层

Service USB-A

Color depth RGB 4:4:4 8 位 / YCrCr 4:2:2 10 位

Latency 2 帧, 带锁定 I/O, 用于未压缩格式

Still image 支持 JPG 和 PNG 文件 (包括透明度)

Clip playback 支持 MP4 播放 (H.264 主配置文件, 最高可达 1920x1080@60Hz)

Storage 高达 500GB 内部存储空间, 用于存储静态图像和视频片段

API-interface JSON REST API (未来版本)

硬件

Noise level < 45dbA

Dimensions 177 毫米 (高) x 482 毫米 (长) x 472 毫米 (宽)

Weight 28 公斤 (净重量)

Power supply 100-240V AC, 50-60Hz, 冗余

Power consumption 12A

Power adaptor 2 x, 冗余

Environmental temperature 0°C 至 35°C

Environmental humidity 5 -80%

Storage temperature -20°C 至 60°C

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