

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.

Product specifications

SWIFTAGENT™ TFS-2

Notes	
Notes	The specifications in this document are preliminary
Capabilities	
Operation	Via Web interface or JSON REST API
Network connections	LAN RJ45 2 pc 1GB/s SFP+ 2 pcs, 10GB/s QSFP28 2 pcs, 100GB/s
Inputs	Up to 3 x ST-2110-20 / IPMX (up to 3840x2160 @ 60Hz)
Outputs	Up to 4 x ST-2110-20 (up to 3840x2160 @ 60fps)
Processing capacity	Up to simultaneously handling 3 inputs and 4 outputs (each up to 3840x2160 @ 60Hz)
Multi-viewer	1 x Multi-Viewer available via DisplayPort 1.2 (up to 3840x2160 @60 Hz) or AVoIP format (NDI, webRTC, RTSP, ...)
Integrated mixer function	Production Switcher including mechanical positioning and digital camera tracking
Camera AI functionality	Person Detection, Auto Tracking and Auto Mixing Up to 4 inputs can be enabled for AI functionality
Audio	Audio (de-embedding / mixing) 2 channels per input or output PCM / OPUS / ST-2110-30 (future)
Clock	PTPv2 (support for BMC)
AVoIP routing	NMOS IS-04/05 routing with internal/external NMOS registry (configurable)
Picture in Picture (PIP)	Supported up to 64 independent layers per output
Service	USB-A
Color depth	RGB 4:4:4 8bit / YCrCr 4:2:2 10bit
Latency	4 frame with locked I/O for uncompressed
Still image	Support for JPG and PNG files (incl transparency)
Clip playback	Support for MP4 playback (H.264 main profile up to 1920x1080 @ 60Hz)
Storage	Up to 500Gb internal storage for stills and clips
API-interface	JSON REST API (future)
Hardware	
Noise level	< 45dbA
Dimensions	177mm (H) x 482mm (L) x 472mm (W)
Weight	28kg (net weight)
Power supply	100-240V AC, 50-60Hz, redundant
Power consumption	12A
Power adaptor	2 x, redundant
Environmental temperature	0°C to 35°C
Environmental humidity	5 -80%
Storage temperature	-20°C to 60°C

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