

Mxface.ai Face Liveness Model – Business Overview & Use Recommendations

At **Mxface.ai**, we recognize that secure and reliable identity verification is mission-critical for enterprises and service providers. In collaboration with **Neurotechnology Labs, Lithuania**, we deliver a **production-grade (API, SDK, ABIS) Face Liveness solution** trusted by developers, ISVs, system integrators and enterprises.

Independently tested by **iBeta** and certified compliant with **ISO 30107-3 Biometric Presentation Attack Detection**, the algorithm ensures that only real, live users are recognized—protecting against spoofing attempts with photos, videos, or 3D masks.

For **developers and ISVs**, our SDKs and APIs enable flexible integration into applications, while **system integrators and enterprises** benefit from proven deployment expertise in diverse and challenging environments. With Mxface.ai, you gain not only a cutting-edge liveness algorithm but also a **partner you can trust to deliver secure, compliant, and scalable biometric solutions**.

Technical Datasheet Snippet – Face Liveness Detection

Compliance & Certification

- Tested by **iBeta**
- Certified for **ISO 30107-3 Presentation Attack Detection (PAD)**

Supported Inputs

- Video streams (≥ 5 fps for Active, ≥ 10 fps for Passive)
- Single-frame images (for Single Frame Passive mode)
- Color and grayscale support (mode-dependent)
- One face per frame required

Modes of Operation

- **Active:** User prompted to blink, turn head, or perform actions
- **Passive:** No interaction required; analyzes natural facial features
- **Passive + Blink:** Passive analysis + blink request
- **Passive - Active:** Attempts passive first, then switches to active
- **Simple:** User rotates head side-to-side
- **Single Frame Passive:** Neural network detects spoofing in a single image

Performance Requirements

- Interocular Distance (IOD): ≥ 80 px (minimum), ≥ 100 px recommended
- Head orientation tolerance: $\pm 15^\circ$ roll/pitch/yaw (for Passive)
- ICAO compliance check (optional) for stronger accuracy

Integration

- Available as **REST APIs & SDKs**
- Lightweight and optimized for edge, on-premise, or cloud deployment
- Designed for **high-scale, multi-tenant applications**