



Technical Specification

Specification	Details
Product Type	Emotion Detection & Stress Analytics
Deployment Mode	<ul style="list-style-type: none">• Entry screening in embassies, prisons, and airports• Staff monitoring in secure control rooms• Mental health/hostile environment screening
Key Capabilities	<ul style="list-style-type: none">• Micro-expression analysis: fear, anger, anxiety, deception• Detects short-duration facial movements (25–200ms)• Supports pre-incident risk flagging and early escalation
Analytics Engine	<ul style="list-style-type: none">• Facial Action Coding System (FACS)-based interpretation• Combines movement, asymmetry, and timing for emotion inference• Machine learning–trained across neutral and hostile datasets
Inputs	<ul style="list-style-type: none">• Live camera feed (frontal face angle preferred)• HD or NIR cameras, frame rate ≥ 25fps
Security	RBAC-based access controls