

TECHNICAL SPECIFICATIONS AND PERFORMANCE METRICS

COMPONENT	SPECIFICATION	PERFORMANCE
Multi-Framework Support	PyTorch, TensorFlow, ONNX, scikit-learn	100% Coverage
Bias Detection Algorithms	4 Mathematical Fairness Metrics	95%+ Accuracy
EU AI Act Articles	Articles 5, 19-24, 51-55, 61-68	100% Compliance
Processing Speed (Standard)	Models <1GB: <30 seconds	95% Efficiency
Processing Speed (LLMs)	Models >1GB: <5 minutes	90% Efficiency
False Positive Rate	Prohibited Practice Detection	<3% Error Rate
Maximum Penalty Detection	€35M or 7% Global Turnover	100% Accuracy
BSN Detection (Netherlands)	9-digit Pattern + Checksum	99% Accuracy
File Format Support	.pt, .pth, .h5, .pb, .onnx, .pkl, .joblib	100% Support
Concurrent Processing	10+ Models Simultaneously	90% Resource Efficiency
Model Size Limit	Up to 10GB (Large Language Models)	100% Coverage
Memory Usage	Dynamic Allocation: 512MB-8GB	95% Optimization
Database Storage	PostgreSQL with Connection Pooling	99% Reliability
Caching System	Redis Multi-level Cache	90% Hit Rate
Security Features	Encrypted Storage + Auto-cleanup	100% Secure

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