

Facial Recognition

NEC NeoFace® Watch

High Performance Face Recognition

NeoFace® Watch is **the world's most trusted facial recognition solution**. High performance, highly scalable, it returns fast accurate results for the most demanding real-time or post-event face recognition use cases.



NEC NeoFace® Watch – World's Most Trusted Face Recognition Solution



Fastest



Best with Low Quality Images

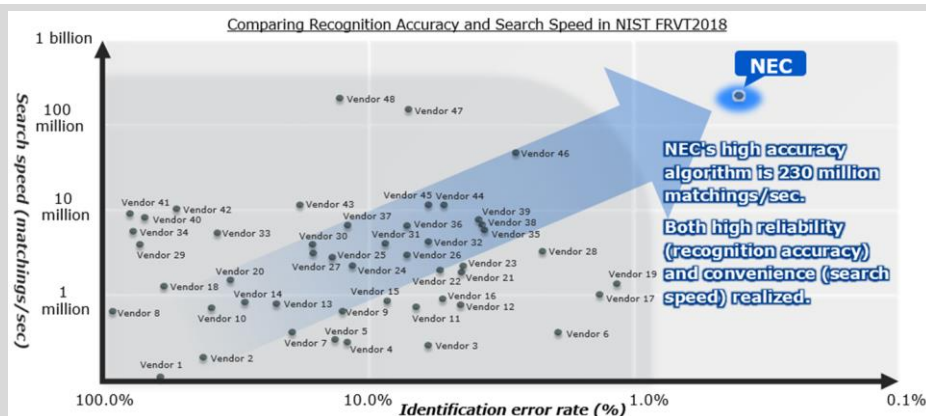


Most Accurate



Highest Tolerance to Situational Variables

NEC once again outperformed the competition in NIST Face Recognition Vendor Test 2018



In independent tests conducted by National Institute of Standards and Technology (NIST) over the years, NEC has been significantly ahead of other vendors in terms of accuracy and speed, the two key factor of success for a facial recognition system.

NEC has been tops in all its benchmarks:

Face Recognition Vendor Test (FRVT) 2013 / 2018

Face In Video Evaluation (FIVE) 2017

Multiple Biometrics Evaluation (MBE) 2010

Multiple Biometric Grand Challenge (MBGC) 2009

What NeoFace® Watch does?

NeoFace® Watch has been proven to work in the real world, not just in the laboratory. A robust algorithm tested and improved over the years in actual deployments. Now in its fifth generation, NeoFace® Watch represents years of development with direct input and collaboration from our customers, industry experts and user community.



Live Facial Recognition

Identify faces from CCTV cameras and Video Management Systems in real-time



Geo-Tagging

Unify match and mapping data to provide greater insights



Face Search

Search images against watchlists that are unlimited in size, with simple enhancement and comparison tools



Video Analysis

Process multiple video files faster than real-time, providing rapid post-event response



Bodyworn & Smart Devices

Stream live video, view match alerts and search faces directly from a bodyworn or smart device



API

Integrate FR into existing applications via web services and RESTful API's

Built In Privacy & Responsible Use

Privacy is built into the heart of NeoFace® Watch. As standard, our system includes comprehensive privacy controls at both a biometric and an infrastructure level giving you the flexibility in configuration to ensure compliance with local privacy regulations, governance and public expectations.

Features include the ability to automatically blur any unknown faces, such as people in the background, and automatically purge records after a predefined time. By default, non-match data is never stored. Data can only be accessed by authorised users via comprehensive role-based access control, while our alerting engine ensures that potential matches are only raised to appropriate personnel. The system fully supports end-to-end encryption of data both at rest and in transit.

<h3>Fairness</h3> <p>Ensure no individuals are discriminated against</p>	<h3>Dialogue</h3> <p>Build partnerships & collaborations with external experts & third party stakeholders</p>
<h3>Privacy</h3> <p>Respect & protect individuals' privacy</p>	<h3>Transparency</h3> <p>Create a framework to explain the result of AI decisions</p>
<h3>Explanation</h3> <p>Explain the effects, value & impacts of our AI solutions</p>	<h3>Utilisation</h3> <p>Ensure all solutions are implemented in a way that respects human rights</p>

