



# Facial Recognition License

H2X-AL-1FR-CAM



DigitalX's Facial Recognition is a cutting-edge solution that offers a high level of security and user convenience. It utilizes state-of-the-art optical cameras combined with the latest advances in artificial intelligence and image processing. This technology is fully hands-free, requiring no interaction with the device, and features wide-angle detection to accommodate persons height from 1.50 to 2.20 meters, even with a side approach.

The system boasts high performance with near-motion 1-second matching capabilities for up unlimited users, ensuring quick and efficient identification.

DigitalX's Facial Recognition operates efficiently in all low-lighting conditions, making it versatile for various environments. Whether it's for access control, time and attendance, or general surveillance, DigitalX's Facial Recognition technology delivers reliable and accurate performance that meets the demands of modern security needs.

## Applications

- Integrated Management in Commercial Buildings.
- Government Agency Management .
- High-Security Area Management.



[www.digitalx.net.au](http://www.digitalx.net.au)

## Technology Overview

### Wide Angle Detection

The system can detect faces within a wide range of heights from 1.50 to 2.20 meters and even with a side approach, ensuring that it captures a broad spectrum of users.

### Near-Motion Matching

The facial recognition algorithm offers near-motion matching capabilities, providing 1-second matching for a seamless and efficient user experience.

### Large User Capacity

It can handle a large user base, with the ability to match unlimited users, making it suitable for large-scale applications.

### Low-Light Conditions

The solution operates efficiently in low-lighting conditions, offering versatility across different environments.

### High Accuracy

The Facial Recognition License system boasts high accuracy in face detection and matching. It uses advanced algorithms to reduce the chance of false positives and ensure reliable identification.

### Privacy Protection

Our system is designed with a strong focus on user privacy. It only collects necessary facial data for recognition purposes and all data is stored securely, adhering to strict privacy regulations.

### User-Friendly Interface

Our system comes with a user-friendly interface that is easy to navigate. This ensures a smooth user experience, from setup to daily usage.

These features make the DigitalX's Facial Recognition a robust and reliable choice for secure access and identification needs.



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## Specifications

- **Unlimited Number of Faces:** The system can process and recognize an unlimited number of faces, catering to the needs of organizations of any size.
- **Real-Time Facial Recognition:** Provides instant facial recognition capabilities suitable for applications requiring quick responses such as security systems or access control.
- **Recognition of Multiple Faces in a Single Frame:** The system is capable of simultaneously recognizing multiple faces within the same frame, optimizing monitoring and analysis processes.
- **Software Installed on Processing Devices:** The software is directly installed on processing devices, eliminating the need for specialized hardware or complex peripheral devices.
- **Capability to Work Without Internet Connection:** The system can operate independently without the need for network connectivity, ensuring flexibility and information security.
- **Supports All IP Cameras Compliant with the Onvif Standard:** Compatible with all IP cameras that adhere to the Onvif standard, allowing for easy integration with existing surveillance camera systems.
- **Facial Recognition Time is Less Than 1 Second:** The system can quickly identify faces, with a processing time of less than one second, providing high efficiency in monitoring and identity verification.

## Data Privacy Protection

The system we developed differs from any others on the market. It ensures the strictest data privacy using the following principles:

- Only data of authenticated sensors can be received.
- The devices' operational status is only visible to authenticated users.
- Data is encrypted and stored safely in protected area.
- Using computable encryption methods, the system's calculations are performed directly on the encrypted data without having to decrypt it.

## Cybersecurity Proof

Our systems has state-of-the-art cybersecurity (Zero-Trust or Trust-less approach) design which gives customers a complete control of their home. We use the latest and most advanced cybersecurity technologies to prevent the risks of cyber-attacks, including (but not limited to):

- Password vulnerability .
- MITM (Man-in-the-middle) attack.
- Session replay vulnerability.
- Server vulnerabilities: Even if hackers can gain unauthorized control of a server, they still cannot take control of our customer's systems and devices.
- Exposing vulnerability in the workplace.



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