HID FacePod

Fast, accurate and seamless authentication

The HID FacePod provides the ideal combination of a facial recognition camera that leverages best-of-breed algorithms, LCD touchscreen and light guidance features to deliver a frictionless user experience in real-world environments.

The device offers automatic face detection, capture, image quality checks and match — and can be installed for use on a wall, desktop or counter, and as a totem or gate solution to provide accurate and reliable face authentication.

The HID FacePod enables seamless authentication across a wide range of applications including travel, hospitality, healthcare, banking, secure access, self-boarding, border crossing and beyond.

Transform the user experience with fast, accurate and seamless authentication.

FAST & ACCURATE

Impeccable biometric performance transforms the user experience. Collaborating with Paravision, a leader in trusted Vision AI, our algorithm is trained using an extensive, ethically sourced dataset across a wide number of racial and age characteristics to reduce matching bias. Paravision's matching algorithm consistently excels in the National Institute of Standards and Technology (NIST) Facial Recognition Vendor Test (FRVT) — earning the highest rankings for performance and accuracy.

ADVANCED PAD FOR LIVENESS DETECTION

Combining HID's patented multispectral imaging (MSI) technology with artificial intelligence (AI) and machine learning (ML) ensures extraordinary presentation attack detection (PAD). This passive liveness detection combats spoof attempts with 3D masks, printed pictures or digital images, preventing fraud attempts in unattended use cases.

HID FacePod meets ISO 30107-3 PAD Level 1 compliance (Level 2 pending).

HIGH PERFORMANCE IN CHALLENGING LIGHTING

By utilizing a combination of RGB and NIR, the HID FacePod can address the challenges of total darkness or bright light to account for many real-world lighting conditions.

MOUNTING OPTIONS

The HID FacePod is modular and can be used in different configurations to support each specific use case and mounting option, including desk/counter, floor stand, wall, VESA mount or gate. The U.ARE.U Camera Identification System embedded in the FacePod provides a portrait field of view to capture a wide variety of height requirements and is inclusive of the population presenting themselves to the system.

MATCHING AT THE EDGE

The HID FacePod performs capture, matching, identification, verification and passive liveness detection at the edge. This on-device biometric processing feature reduces bandwidth constraints, improves performance, enhances privacy and enables offline authentication in areas with limited connectivity. Optionally, the camera can provide high-quality image capture, and biometric matching can be done on a host computer or server.

FUNCTIONALITY:

- Integrated with the HID® U.ARE.U™ Camera Identification System
- Automatic face detection, capture, image quality checks and match
- Front touchscreen with light strip for illumination and user feedback
- Rear display touchscreen for operator feedback (optional)
- Audio speaker for cues and user feedback
- Mounting options: desktop/counter, floor stand, wall, VESA mount or gate

PRELIMINARY

HID

HID FacePod

FLEXIBLE MOUNTING

Desktop/Counter

Totem

Gate

SUPPORT A WIDE RANGE OF APPLICATIONS

Travel
- Check-in
- Bag tags & drop
- Security checkpoint
- VIP lounge access
- Duty-free shopping
- Boarding
- Immigration

Retail & Hospitality
- Hotel check-in
- Face payment at check-out
- Employee access control
- Time and attendance
- Age verification

Healthcare
- Patient check-in & check-out
- Visitor management
- Time and attendance
- Employee access control

Banking
- Employee access control
- VIP recognition
- Secure ATM Services

Product Name	HID FacePod
Facial Recognition Camera	HID U.ARE.U Camera Identification System Camera Sensing Technology: • Multispectral RGB-IR day/night sensing, active structured 3D depth projector with 2D flood illuminator @ 940 nm • Image sensor: 8 MP 1.4 um NIR enhanced BSI technology, full HD video outputs (1920x1080, 3x streams visible, NIR, depth) • Light spectrum range: 0–20Klx (NIR), 2–10Klx (RGB) • Working distance: 20–150 cm (face recognition), 40–100 cm (face recognition with PAD enabled) • Face recognition performance: User configurable for FMR 1e-4, 1e-5, 1e-6 • PAD performance: ISO 30107-3 Level 1 (Level 2 pending) • Field of view: Portrait mode: 76ºV x 36ºH • On-board database capacity: 0–100K facial templates for 1:1 or 1:N matching • Supported image formats: PNG, JPG • Security features: Secure boot, secure key storage, mutual authentication, cipher suites for template/channel encryption include AES, TDES, etc., secure firmware updates • Connectivity: USB-C 3.0, Ethernet (RJ45, 100BASE-TX)
Front Display	10.1 inch (25.65 cm) touchscreen (1280x1024) portrait display with light strip for illumination and user feedback
Rear Display (optional)	7 inch (17.78 cm) touchscreen (1024x768) portrait display with light strip to provide operational feedback
Audio UX	Speaker for audio cues and user feedback
Visual UX	Front and back (optional) LED strip
Connectivity	Basic: 100Mbit Ethernet (100BASE-TX, RJ45), CAT5e cable or better Advanced: Gigabit Ethernet (1000BASE-T, RJ45), CAT6 cable or better
Privacy Mode	Proximity sensor to activate Pod only when a person is standing in front of the camera
Dimensions	200 mm x 355 mm x 56 mm (7.87 in. x 13.98 in. x 2.2 in.)
Mounting	VESA mounting compatible — arm not included
Environmental Operating Conditions	-20ºC to +50ºC (-40º F to 149º F); Up to 85%RH; IP54
On-Board Computer	Option 1: None (interfaces externally to a host computer) Option 2: Intel Core i3-based NUC, 8GB DDR4/5 RAM, 128GB SSD, Intel on-chip graphics, 100Mbit Ethernet, USB Option 3: Intel Core i5-based NUC, 8GB DDR4/5 RAM, 128GB SSD, Intel on-chip graphics, 1Gbit Ethernet, USB Option 4: ARM-based platform running Android/Linux
Power Supply	Option 1 (Unpowered): Externally powered Option 2 (Basic): 50W, 2A @ 24V Option 3 (Advanced): 100W, 4A @24V Option 4 (Basic): 50W, 2A @ 24V
Compliance	CE, UKCA, FCC, RoHS, WEEE, UL, CB, IEC 61000-4-2 Level 3

Data subject to change without notice.

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