

M2-AutoTilt™ Iris Recognition Camera



Unprecedented Usability and Image Quality in a Compact Design

Ideally suited for large scale enrollment and authentication applications, the M2-AutoTilt™ camera offers end users a wall mounted USB tethered configuration for quick and easy high quality image captures. Helping to minimize FTE and FTA rates through its automatic panning adjustment and LED 3 color light indicators that gently guides end users to ideal positioning to capture their iris image, this compact and affordable iris camera offers many unique features like real time iris distance, center, and diameter coordinates measurements.

Built for high throughput environments where speed, accuracy, and user-friendliness are key hardware characteristics, the M2-AutoTilt™ contactless digital camera helps to ensure high quality iris images for superior biometric matching templates while maintaining a hygienic environment.

Features:

- Intuitive and patented subject guide indicator system enables fast and repeatable subject positioning that maximize FTE and FTA rates
- Provides automatic mirror-driven height adjustment for wall mount or kiosk applications such as access control, patient identification, and time and attendance
- High speed, simultaneous dual imagers capture both iris images within 0.5 seconds, once the user is inside the operating range
- Image quality exceeds industry standards
- Iris diameter and inter-pupillary distance (IPD) accuracy within plus or minus 1.0 mm

Benefits:

- Simplest and most repeatable subject interface available
- Compact and affordable
- Quickly captures high quality images to create quality biometric enrollment templates
- Multi-color LED camera display allows end users to easily adjust positioning distance for quality photo
- Motorized display automatically adjusts camera position for ideal photo capture
- Wall mounting capability provides security and camera stability

TECHNICAL SPECIFICATIONS

Category	Description
Dimension	8 x 3.7 x 2.5" (202mm x 94mm x 62mm)
Operating Range	12.4 to 13.6" (315mm to 345mm)
Iris Diameter	240 pixels for average 11.5 iris diameter (200 to 285 pixels for full range of 9.5 to 13.5mm diameters)
Inter-Pupillary Distance Range	1.77 to 3.35" (45 to 85mm)
Focal Distance Range (Standoff)	12.4 to 13.6" (315 to 345mm)
Subject Positioning Indicators	Circular indicator inside mirror should be located at the distance indicator utilizes proprietary stereoscopic techniques for subject distance indicators: <ul style="list-style-type: none">• None: Subject not detected• Blue: Eyes too far – move closer• Green: OK/Ready – eyes within focal range• Red: Eyes too close – move away
Maximum User Speeds for Iris Capture	5"/sec (125mm/sec)
Iris Imager Frame Rate	30 fps
IR Illumination	Blend of 850nm (50%) and 750nm (50%) nominal LED illuminators
Power	5VDC 2A Adaptor
Certificates (in progress)	DCC, CE, USB-IF, Eye Safety, WHQL



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