Next-Generation AutoTilt Desktop Iris Camera
Superior Dual Iris Recognition Technology

TECHNICAL SPECIFICATIONS

Category	Description
Dimensions	166x 166x43mm
Weight	800 to 850 grams, depending on hardware configuration
Iris image output	Meets new ISO 19794-62011 standard for 160 pixels across 1.0 cm iris. MTF meets or exceeds 4.0 lp/mm @ < 60% contrast
Iris image pixel resolution	640 x 480 pixels, 8 bit depth, supports multiple formats
BioAPI compatible	Yes , option
Operational iris imaging distance (Stand of range) and depth of field	340 to 440 mm range (100 mm depth) in normal mode suitable for enrollment Software option for 340 to 480 mm range (140 mm depth) in Expanded Depth of Capture mode for recognition Only
Auto tilt	Yes, internal
Height range	56 cm at center of capture range (about 40 cm stand off)
Iris inter-pupillary distance covered	45 to 85mm
Iris time of capture	Typically about 0.5 second from time subject's eyes are placed within capture Volume
IR illumination for iris imaging	Dual LED: wavelengths of 850 nm nominal (about 50%); and 750 nm nominal (about 50%

Product Description:

The Next Generation AutoTilt desktop iris recognition camera is a dual iris imaging system that provides unprecedented ease of use through highly innovative and intuitive patient positioning. Patients view their own faces in a front-facing 5.0 inch high resolution color display in order to position themselves correctly against guide boxes shown real-time in the display. Patients will intuitively and naturally move to the correct position by simply centering and sizing their face image within the display. In addition, a green box is placed around the patient's face to indicate proper positioning, after which the iris images are automatically collected.

In addition, the Next Generation AutoTilt desktop iris recognition camera features an extended capture range of 35 to 45 cm in recognition mode, quickly capturing the highest quality iris images and offering a simple interface for all patients, including those not acclimated with photo biometrics. An innovative, intuitive subject positioning face imaging sensor detects and displays the patient's face at up to 1.0 meter from the system on the high resolution color display. The patient is instructed to simply make their face fit the positioning ''guide rails'' and when the box around the face turns green, stop and wait until the image capture process is completed. Like a smart phone ''selfie'' image, this interface is very fast and highly intuitive, with typical capture times of less than 1.0 second.

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M2SYS

TECHNICAL SPECIFICATIONS

Category	Description
Subject positioning Indicators	Face feedback display with color cues for boxes surrounding the face: Blue: Subject too far away Green: Subject within capture volume Red: Subject is too close
Iris maximum user positioning speed	125 mm per second (4.9 inches per sec.) in "Z" direction (distance from front of system)
Face image capture	Standard 24 bit color (for reference Image)
Face recognition imaging	Optional on-board encoding and matching
Audio	24 bit, 1.8 W embedded speaker Line out connector for external speaker
Operating temperature range	o to 45° C
Humidity	10 to 90% RH, non-condensing
Iris eye safety standard	IEC62471
Network interface	10/100 Base- T Ethernet (RJ45 connector) WiFi 802.11 bgn : optional
Other standard ports	USB host (for service), USB slave, audio
Physical Access Control configuration: other communication ports	Terminal and wired connectors for: Wiegand in/out, RS-232, RS-485, 2X TIL inputs, USB host (internal) 1 dry contact relay
Physical Access Control configuration: wall mounting with tamper switch	Detachable wall mount plate for easy installation and tamper switch standard in PACS configuration
Secu re I/O for access control	Option
Tamper switch	Yes
Standard mounting	Standard 1;4-20UNC (camera tripod) Optional accessory base
Physcial Access Control configuration: wall mounting	Detachable wall mount plate for easy installation
Kensington lock	Yes, standard
Power requirements	Input 110 to 240 V AC, Output 12V DC, 3.0A - Adapter provided standard with system

Features:

• Highly innovative and intuitive subject positioning

• Face imaging sensor

• LED lights and positioning guides

Benefits:

• User-friendly

• Fast, simple and fully intuitive for patients

• Less than 1.0 second image capture time

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