

# iCAM TD200

Face & Iris Recognition Camera



Optional Protective Case



- Simultaneous Iris and Face Capture
- High-Quality Color 2D Face Capture
- High-Speed Automatic Dual Iris Capture
- Intuitive Operator LCD Guidance System
- Standards-Compliant Hardware and Software

DUAL IRIS & 2D FACE	Color Face	4.3 inch LCD
	IP54	USB-C Interface

Iris ID has been producing commercial iris recognition systems since 1997. In thousands of locations, IrisAccess® authenticates the iris identity of more persons than all other iris platforms combined. Iris ID's rich experience in iris recognition is exemplified in the iCAM TD200.

Previous handheld iris recognition systems required significant cooperation and for a subject to remain completely motionless in order to capture high quality iris images. Iris or Face can be collected simultaneously, or independently based on the application needs. Iris ID has developed a series of algorithms which provide the capability to capture iris images while either the person or the device is in motion. The "iris in motion" capability helps to realize new horizons in market applications for the technology.

## One Click - Simultaneous Iris & Face Image Capture

The iCAM TD200 includes an optical system specifically designed and optimized to operate in perfect unison with the integrated high speed multi-sensor imager array. The iCAM TD200 automatically captures and processes and outputs high-quality, ISO-compliant left and right iris images along with a color face image of a subject all in a single shot, in under two seconds as the device or the subject approaches the optimal capture distance.

**IrisAccess®**

# Technical Specifications

## Image Capture Process

Fully automatic concurrent dual iris and face image capture is supported with the iCAM TD200. Iris and face images are collected virtually at the same time. The quality analysis routines ensure all images are ISO-compliant and are available as part of the iData Iris SDK for the field application of the iCAM TD200. An illustration of the iris capture UI screen is shown below. Iris ID's iData Iris SDK runtime license for iris enrollment and quality assessment is available for use with the iCAM TD200.



The face capture API function is included in the SDK.

- The integrated framing function provides feedback for capturing a properly formatted ISO-compliant face image.
- Manual face capture with autofocus is also possible through the camera API provided by the Device Control SDK.
- Application developers can also use host-based face detection to trigger face capture automatically from the host processor.
- Face capture can be initiated through the API or via the shutter button on the iCAM TD200.
- Sample illustrations of face capture modes are shown below.



## iData iCAM TD200 SDK

Iris ID provides an API SDK to enable all functions of the iCAM TD100 and the iCAM TD200. The development environment and functionality of the SDK for the iCAM TD200 module closely mimics those of the widely deployed iData SDK. Application developers familiar with the Iris ID APIs will find integration to be very simple.

## Sample Application Source Code

The sample application source code for the sample GUI will be delivered as part of the SDK API. Sample SDK code is provided in C++ and C#.

## Demonstration Application

A runtime-only application is available for customer evaluation, providing functionality for iris and face image capture, as well as iris template matching.

## iCAM TD200 (Face & Iris Camera)

Dimensions (W x H x D)	150mm x 83mm x 30.5mm (5.9" x 3.3" x 1.2")
Weight	0.23kg (0.5lb)
Camera Tripod Mount	Standard 1/4"-20 Tripod Mount
Power Input	5VDC via USB
Power Consumption	Idle: 2.3W, Typical: 4.3W, Max: 5.5W
Iris Capture	Autofocus Capture ISO/IEC 29794-6 Standard Compliant Image
Face/Scene Capture	480 x 640, 768 x 1024 ISO Automatic Crop, Token & Full-Frontal Face SMT- Scene 2560 x 1920 12 Available Modes for Capture
Iris Illumination	Singleband IR
Iris Enrollment	Dual Iris and Face Capture and Authentication in less than 2 seconds ISO/IEC 29794-6 Standards Compliant Face & Iris
Face Capture	Manual or Auto Focus available Capture ISO/IEC 29794-5 Standards Compliant Image
Scene Capture	Manual or Auto Focus available through API
Sound	Software volume control and default sound files provided Custom audio files can be uploaded as needed
Speaker	1 Watt 17mm diameter speaker
LCD Display	4.3" Color LCD
Status Indicator	Blue Blinking - Busy-Booting Blue Solid - Ready to Capture Green - Success on for Two Seconds Red Solid - Capture Complete Red Blinking - Image Failed QC No Indicator- Power Off
Shutter Button	Wake Up / Capture Face / Capture Scene / Force Iris Capture
Meta Data	Available
Operating Range	40cm - 60cm (15" - 24")
Operating Temperature	0°C - 50°C (32°F - 120°F)
Storage Temperature	-20°C - 60°C (-4°F - 140°F)
Humidity	0% - 95% Non-condensing
Certifications	CE, FCC, KC, ISTA, USB IF, UKCA, Eye Safety, ISO Standard

can also be controlled by the application directly

## Equipment supplied with iCAM TD200

- Non-removable USB Cable, Type C  
*USB Type A adapter included*

## Supporting OS

- Windows 10/11 Pro

## Accessory

- Silicone Case iCAM TD CASE  
*Sold separately*



## IRIS ID AUTHORIZED RESELLER



Iris ID Systems, Inc.

8 Clarke Drive, Cranbury, NJ 08512, USA

Tel. 609-819-IRIS(4747) Fax. 609-819-4736

[www.irisid.com](http://www.irisid.com)

© Iris ID Systems, Inc. All rights reserved. Design and specifications subject to change.

