

iCAM D2000

Multi Biometric System



Fast



Compact



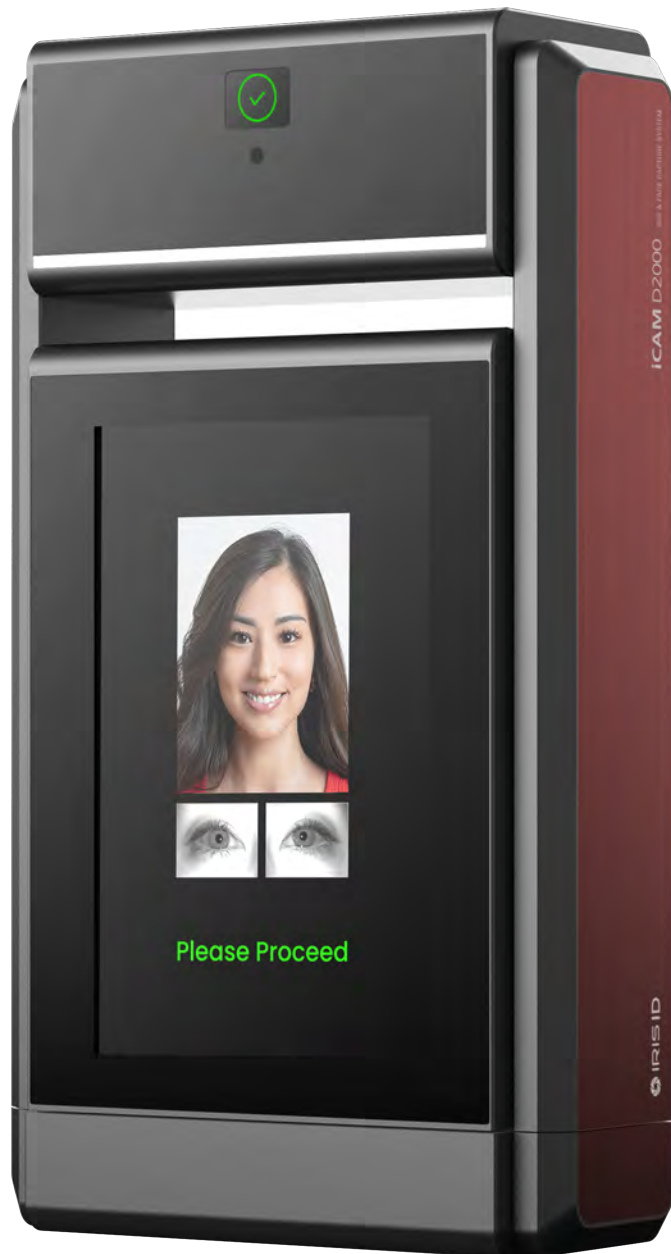
Accurate



Frictionless



Global Standards Support



Compact, insightful, and unparalleled quality in biometric performance, Iris ID's iCAM D2000 represents a new class of fused iris and face identification systems. Flexible capture distance ranging from 50cm to 1.0m, iCAM D2000 provides an ergonomically intuitive user experience while delivering high quality iris and face images for enrollment and identification. With focus on usability and dimensions the iCAM D2000 is ideal for identity, travel and access solutions.

The iCAM D2000's unique feature set is the result of twenty plus years of research and development. Leveraging the experience from processing billion of identities and Iris ID's extensive product line, iCAM D2000 is both a natural and innovative next step in technology evolution. The ultimate biometric fused iris and face solution. The iCAM D2000 is truly a platform independent solution.

Iris ID provides a robust REST API to enable all functions of the iCAM D2000 . The development environment and functionality of the REST API is both robust and simple . Application developers will find the REST API's easy to implement.

Features



Multimodal (Iris & face) biometric Simultaneous capture

Automatically captures dual iris and face at the same distance.



User Height accommodation

Automatic capture range from 1.2 M to 2.1 M



Countermeasure for security

A proven set of anti-spoof measures that continues to set the standard for the industry is included.



Installation flexibility

The device can be used with a mounting option that can be fixed to a desk.



Capture range (50 ~ 100cm)

Auto Zoom, Pan and Focus . High quality optics



Intuitive user guidance

10.1 inch high LCD display provides user feedback.



Mask detection

The device can detect a user's mask.



Standards Compliant Hardware and Software

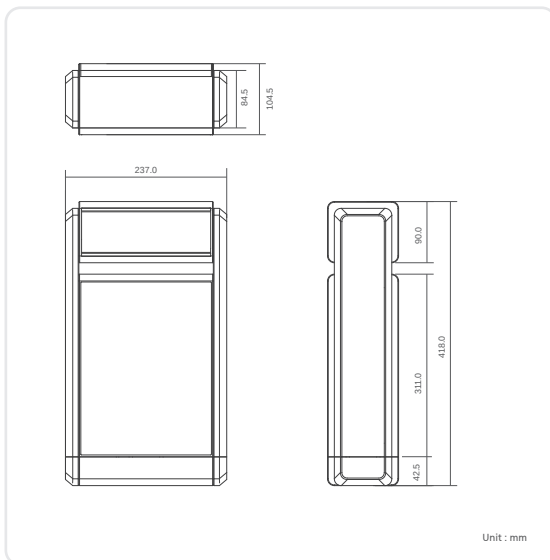
Standards : CE, FCC, Eye Safety, ISO and ICAO, RoHS

Specifications

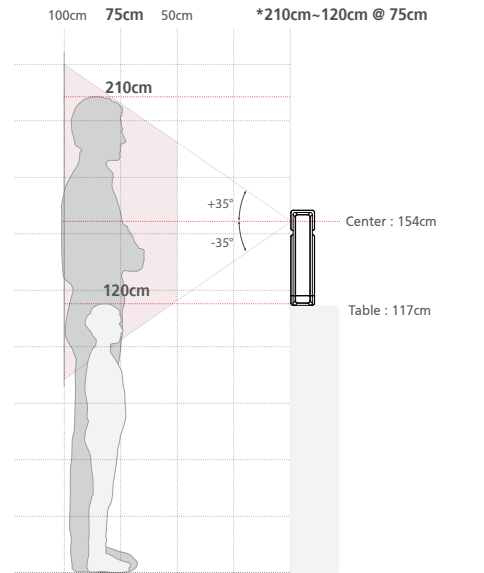
Basic	CPU	Cortex-A53
	Storage	2GB DDR3 (1866 Mbps, 1.35 V), 8GB eMMC
	OS	Linux Kernel Version 4.4
	FPGA	Spartan6 + 64MB Flash Memory
	Power	AC 100 ~ 240V, 90W
Display	Size	10.1 Inch (Diagonal) LCD with capacitive touch screen
	Resolution	1280 x 800
	Interface	MIPI DSI
Audio	Cocdec	Various sample rate (8 ~ 48 KHz)
	Speaker out	YES
Camera	Color Camera	13MP, MIPI CSI-2, SoC, RGB888
	Iris Camera	2.3MP, BW, Global Shutter x 2
	Stereo Camera	Minimum 200pixel/cm in operating capture range
	Capture Time	2.3MP, BW, Global Shutter x 2 Less than 1 seconds for dual iris and face capture

Illumination	IR LED	High Power LED 4EA x 2t
External I/F	Ethernet	Ethernet 10/100 Mbps
	USB	USB2.0 Host/OTG
	Memory	Micro -SD Socket
Mechanics	Pan / Tilt Motor	Precision high speed step motor
	Iris Camera Lens	x12 Zoom & Auto Focus
Capture Volume	Height (Tilt)	± 45 cm (120 cm ~ 210 cm at 75 cm when table height is 117 cm)
	Width (Pan)	± 50 cm at 100 cm, ± 25 cm at 50 cm
	Distance	50 cm ~ 100 cm
Size	H x W x D	41.8 cm x 23.7 cm x 10.45 cm (16.5" x 9.3" x 4.1")
	Weight	8.8kg (19.4lbs)
Operating Environment	Operating Temperature	32°F~113°F (0°C~45°C)
	Storage Temperature	-4°F~203°F (-20°C~95°C)
	Humidity	5~95% non-condensing

Mechanical Drawing



Capture Volume



Use Cases



Border control



National ID



Public security



e-Gate



Kiosk



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IRIS ID AUTHORIZED RESELLER