OU 500
Multi-Biometric Capture Module

Mirror UI

Module With Faceplate Product Delivery
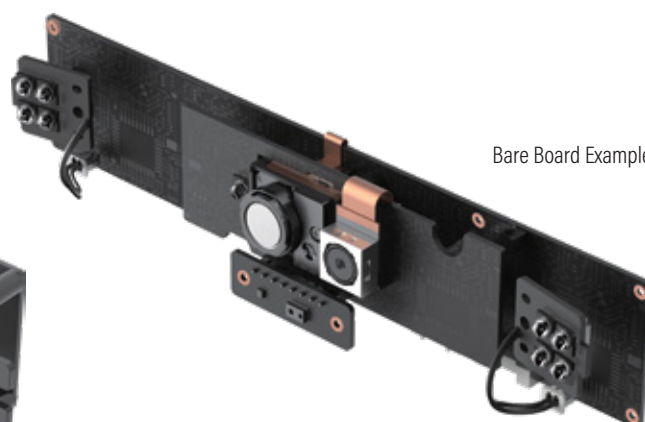

Bare Board Example

Feature

- Advanced Face and Iris Recognition Module
- Compact and Lightweight Design
- Multi-Sensor USB Camera System
- Simultaneous Auto-Focus Capture of Iris and Face Images less than 1 second
- Dual Iris Capture with NIR Illumination
- Iris ID Matching Algorithm (optional)
- Seamless Integration using Device Control SDK
- Windows and Android OS Support
- Operator User Guidance
- Multi-Color LED Status Indicator
- Advanced Power Management with USB-C Active Power Standards

Capture Volume

| | 20cm | 40cm |
| 5.7cm | 3.8cm | |

| Distance (Capture Width) | 60cm (16.2cm) | 40cm (10.8cm) |

Specification

Imaging System	Capture Modalities	Iris + Face (Simultaneous Capture)
	Iris Sensor	CMOS (Monochrome) ISO 29794-6 Standard Compliant (IAP30)
	Face Sensor	CMOS (Color) ISO 19794-5 Standard Compliant Full Frontal Image
	Focusing Technology	ToF Assisted Iris & Face Auto Focus
	Capture Range	400 – 600 mm
	Capture Speed	< 1 second within Operating Range
	Illumination	810nm NIR LED
Connectivity & Power	Interface	USB 3.0 / USB 2.0 High-Speed Compatible
	Power Supply	USB Cable, 5V DC
	Power Consumption	Max 4.5W (5V, 900mA)
	Integration	Device Control SDK for Windows and Android
	Power Mode	Standby, Capture, Sleep, Power-off, Wake-up
Mechanical	Dimensions (W x H x D)	142mm x 26.8mm x 16.6mm (5.59" x 1.06" x 0.65")
	Mounting Brackets for Various OEM Enclosure Mounting	
Environmental	Operating Temperature	0°C – 45°C (32°F – 113°F)
	Storage Temperature	-20°C – 95°C (-4°F – 203°F)
	Humidity	5% – 95% RH, Non-condensing

Mechanical Drawing

Unit: mm

17.2

26.8

142.0

480.0

USB C Type Cable
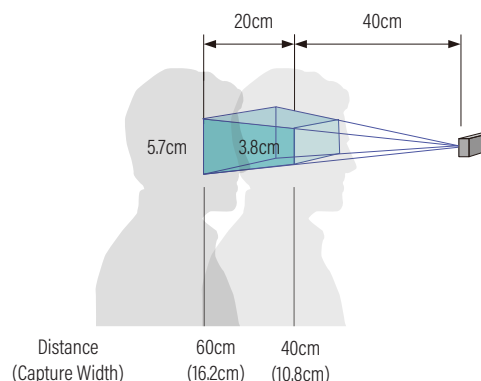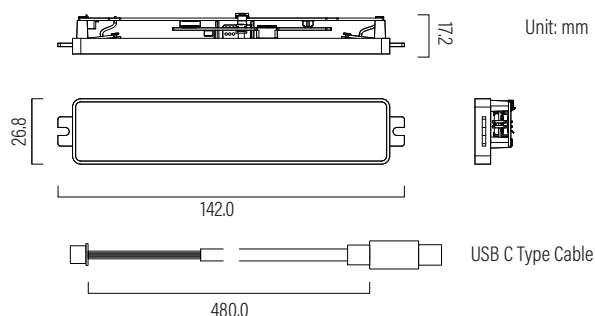
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PRELIMINARY