

***Bio Duo***  
IRIS AND FACE RECOGNITION



# BIOMETRIYA *Bio Duo*

BIOMETRIYA BIO DUO HAS COMPLETELY REIMAGINED PHYSICAL ACCESS.

A LEADING-EDGE FACIAL & IRIS IDENTITY SOLUTION FOR DIVERSE APPLICATIONS LIKE CRITICAL INFRASTRUCTURE, BORDER CONTROL, NATIONAL IDENTITY PROGRAMS, AND FRICTIONLESS THROUGHPUT ACCESS CONTROL, IT LEVERAGES SUPERIOR AI ALGORITHMS AT EACH LEVEL - FROM IMAGE ACQUISITION AND LIVENESS DETECTION.

BIO DUO CAPTURES PRISTINE QUALITY IRIS AND FACIAL IMAGES THAT EXCEED STANDARDS. WITH 25 FRAMES CAPTURED SIMULTANEOUSLY VIA TWO CAMERAS.

WITH A LARGE CAPTURE RANGE FROM 40-70CM HORIZONTALLY, IT ENABLES AN EASY USAGE EXPERIENCE.

BIOMETRIYA BIO DUO ALLOWS PEOPLE TO USE FACE MASKS WITHOUT COMPROMISING SECURITY.

BIO DUO IS CONVENIENT AND EASY TO SET UP AND USE WITH AN EFFORTLESS INTERFACE WITH APPS AND SDKS FOR INTEGRATION.



## CORE SPECIFICATION

RESOLUTION	3 million pixels (dynamic range >100dB), Near Infrared camera: 2M and above resolution
TYPE	RGB plus Infrared with Binocular wide dynamics
IDENTIFICATION MODE	Iris recognition / Face recognition / Multi-model face fusion recognition
LIVENESS DETECTION	Multi-model face and iris fusion liveness detection
PHOTO FLOOD LIGHT	LED and IR dual Photo flood light, Two side NIR sources fill in light (850nm)
VIDEO OUTPUT FORMAT	MJPEG, YUV
DEVICE FRAME RATE	> 25 Frames
STANDOFF DISTANCE	40 cm to 70 cm
USER HEIGHT RANGE	150 to 190 cm (when installed at 170 cm, real-time tracking)

## FUNCTIONAL SPECIFICATION

USER INTERFACE	RED, GREEN & BLUE indicator lights. RED-too close, BLUE-too far & GREEN-appropriate distance
OPERATION SYSTEM	Windows 7 and above, Android 5.0 and above, Linux
SYSTEMS INTERFACES	USB 2.0 / USB 3.0
INTEGRATION INTERFACE	C++ SDK
USER INTERACTION	RED, GREEN & BLUE indicator lights. RED-too close, BLUE-too far & GREEN-appropriate distance. Built in 1W speaker, which can play voice prompts
MOUNTING OPTIONS	Pole mount (Permanent, base stand) - Wall mount (Access control environment) Desktop mount (Office desk, Counters etc.) - Turnstile mount (e-gate)



Front



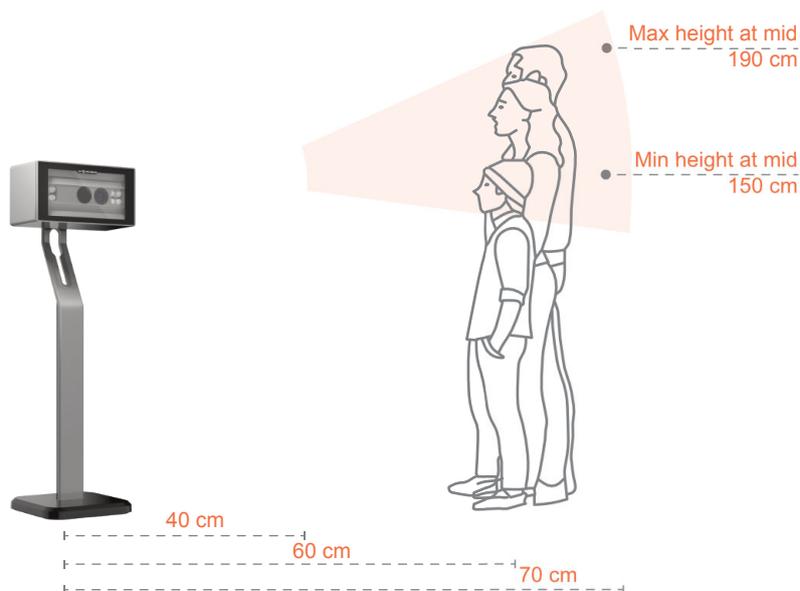
Back



Top

## BIOMETRIC SPECIFICATION

FACE IMAGE QUALITY	Meets / exceeds ISO 29794-5, >120 px between subject eyes
FACE IMAGE FORMAT	Conforms to ISO 19794-5 (JPG)
IRIS IMAGE QUALITY	Meets / exceeds ISO 29794-6
IRIS IMAGE FORMAT	Conforms to ISO 19794-6 (RAW, BMP, PNG, JPG)
FACE MASK	Acceptable
PERFORMANCE	More than 25 frames per second



## ENVIRONMENT AND OTHER

POWER SUPPLY	Low DC power consumption. 5V -1A
TEMPERATURE	-35°~60° C
WORKING HUMIDITY	10%~90%
ROTATING COMPONENTS	Angle sensor, DC motor
WEIGHT	>1KG
SIZE	90.6 x 48.4 x 45.5 mm
REGULATORY APPROVALS	CE, RoHS and FCC



SALES@BIOMETRIYA.COM  
LAND LINE: +971 (0) 4523 0941  
P.O.Box: 19220, DUBAI

[WWW.BIOMETRIYA.COM](http://WWW.BIOMETRIYA.COM)