

# *Bio Duo 2*

MULTI-BIOMETRICS - IRIS AND FACE RECOGNITION



# BIOMETRIYA *Bio Duo 2*

BIOMETRIYA BIO DUO 2 HAS COMPLETELY REIMAGINED PHYSICAL ACCESS BY COMBINING IRIS AND FACIAL BIOMETRIC WITH MIRROR SCREEN.

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 2 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 AND VERTICALLY 1.3M TO 2.0M, IT ENABLES AN EASY USAGE EXPERIENCE BY KEEPING-UP WITH ACQUIRE IMAGE QUALITY.

BIOMETRIYA BIO DUO 2 HAS 8" DISPLAY SCREEN WITH FULL VIEW AROUND 170 DEGREE.

BIOMETRIYA BIO DUO 2 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

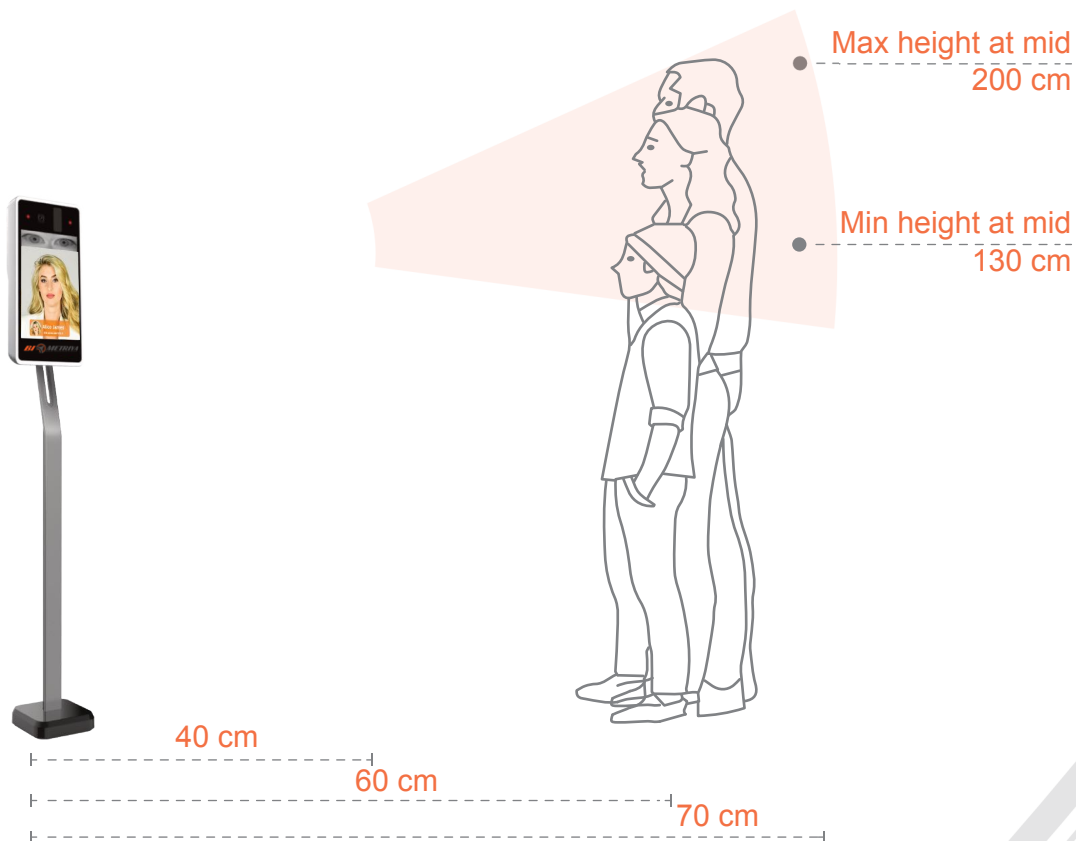
RESOLUTION	3 million pixels (dynamic range >100dB), Near Infrared camera: 2M and above resolution
TYPE	RGB plus Infrared with Binocular wide dynamics
IDENTIFICATION MODE	Iris recognition / Face recognition / Multi-model face fusion recognition
LIVENESS DETECTION	Multi-model face and iris liveness detection
PHOTO FLOOD LIGHT	LED and IR dual Photo flood light, Two side NIR sources fill in light (850nm)
OUTPUT FORMAT	JPEG, BMP
HUMAN SENSING	Automate Human sensing in capture volume
STANDOFF DISTANCE	40 cm to 70 cm
USER HEIGHT RANGE	130 to 200 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	LINUX Customize
SYSTEMS INTERFACES	USB 2.0 / OTG, ETHERNET, Wiegand 26/34
INTEGRATION INTERFACE	C++ SDK
USER INTERACTION	8" LED screen with live mirror image of face and iris. ~170 degree full view.
MOUNTING OPTIONS	Pole mount (Permanent, base stand) - Wall mount (Access control environment) Desktop mount (Office desk, Counters etc.) - Turnstile mount (e-gate)

## 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. 12V -3A
TEMPERATURE	-15°~60° C
WORKING HUMIDITY	10%~90%
ROTATING COMPONENTS	Angle sensor, DC motor
WEIGHT	2 KG
SIZE	330 x 133 x 46 mm
REGULATORY APPROVALS	CE, RoHS and FCC



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