



NEXT-GEN CAMERA: PRECISION IN FACIAL RECOGNITION

TIME-OF-FLIGHT (TOF) CAMERA

MANTRA's Time-of-Flight (ToF) Imaging Camera System with RGB Sensor

Technical Specification

Product Name	MANTRA's Time-of-Flight (ToF) Imaging Camera System with RGB Sensor
Camera Sensing Technology	RGB, active structured 3D Depth Sensing, high resolution perocular and 2D NIR facial flood projection
Image Sensor	Up to 640*480@25fps (ToF) ; Wavelength - 940 nm
	1280*960@30fps (RGB); 24-bit RGB
	ToF FOV - H64° * V51°
	RGB FOV- H76° * V61°
Lighting Environment	A high performance VGA ToF and a RGB sensor.
Light Spectrum Range	NIR
	RGB
Operational Distance	Without PAD- 30 cm - 150 cm
	With PAD - 30 cm to 100 cm
Field of View	ToF FOV - H64°* V51°
Camera Mounting Dependent	RGB FOV - H76°* V61°
Facial Capture Output	Match/PAD Score
	PNG, RAW
Communication Interface	USB 2.0
	Ethernet (10/100)
Power Consumption	USB Powered

Dimensions	Approx. 144L x 59H x 94D mm
	(Without Stand)
Operating Temperature	0°C - 50°C
Supported Operating System	Linux, Windows
Optional Solution Components	Sample Application
	Sample Code, Server Application
Certifications	Presentation attack detection
	Laser eye Safety: Class I
	RoHS FCC CE (Optional - UL)
Security Features	Contact Card - 1 X SAM supporting ISO7816 A, B and C
	Secure FW update
	Advanced TrustZone security system (Optional)
Encryption	AES 128/256
	TDES 64/192
	CRC and SHA-1/SHA-2/HMAC SHA Engine
	True Random number generator

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