

VeriTrusted System

Part number: VTS10

The VeriTrusted System VTS10 10-inch customized all-in-one machine can be embedded with various face recognition modules, offering greater flexibility for creative combinations and enhanced compatibility.

The product incorporates an integrated guidance light system, enhancing visual harmony in the overall design while delivering more prominent directional indicators.



Hardware Specifications

OS	Android 11
Dimensions(mm)	350(L)*200(W)*60(H)
Processor	CX3399-A: Up to 64-bit high-performance CPU, 1.8GHz; 1. dual Cortex-A72 large core+quad Cortex-A53 small core 64-bit CPU
Memory	4GB RAM,64GB ROM eMMC
Front Camera	Dual-lens (RGB+IR), 2MP + 1MP
Liveness Camera	HID U.ARE.U Camera Identification System
Network Support	4G, Ethernet, support WiFi/Bluetooth 5.0, wireless peripheral expansion
USB interface	1 - way USB3.0 OTG 1 - way USB2.0 5 - way USB2.0 socket

Serial port	6 serial port sockets (2-way RS232, 1-way 485, 2-way TTL, 1 - way DEBUG)
Power Supply	12v DC
Serial port (optional)	Wall Mount Bracket, Turnstile Mount Bracket
Audio	Digital audio speaker (External horn connection)
Environmental	Operation temperature: -20°C~55°C
Display Size	10.1inches, anti-glare
Resolution	800x1280
Contrast Ratio	800:1
Brightness	400 nits
Active Area	216.96 (H) X 135.60 (V)
Panel Material	Tempered Glass

Facial Recognition and Liveness Detection Features

Camera Sensing Technology	<ul style="list-style-type: none"> • Multi-Spectral RGB-IR Day/Night Sensing • Active Structured 3D Depth Projector with 2D Flood Illuminator @940 nm
Image Sensor	<ul style="list-style-type: none"> • 8 MP 1.4 micro m NIR Enhanced BSI Technology • Full HD Video Outputs (1920x1080, 3x Streams Visible, NIR, Depth)
Modalities	<ul style="list-style-type: none"> • Enroll and Match on Device • 1:1 and 1:N Authentication On Device • Passive HD Video Surveillance (UVC over USB or MJPEG over Ethernet) • Continuous Face Recognition @10 fps with PAD Authentication @4 fps • Multi-Face Logic Support
Ambient Lighting	<ul style="list-style-type: none"> • 0-20 Klx (NIR) • 2-10 Klx (RGB)
Working Distance	<ul style="list-style-type: none"> • 20-150 cm / 7.87-59 in. (Face Recognition) • 40-100 cm / 15.75-39.37 in. (Face Recognition with PAD enabled)

Face Recognition Performance	User Configurable FMR 1e-4, 1e-5, 1e-6
Field of View (camera mounting dependent)	Portrait Mode 76° V x 36° H
On-board Database Capacity	0-100K facial templates for 1:1 or 1:N matching
Supported Formats	PNG, JPG
Optional Solution Components	<ul style="list-style-type: none"> • U.ARE.U Face SDKs • ArcID Biometric Server • ArcID ID Proofing Server • ArcID Device Manager • Biometric Professional Services
Presentation Attack Detection	ISO 30107-3 Level 1 (Level 2 expected 2025)
Certifications	CE, UKCA, FCC, RoHS, WEEE, UL, CB, IEC 60825-1 1, IEC 61000-4-2 Level 3
Security Features	<ul style="list-style-type: none"> • Secure Boot • Secure Key Storage • Mutual Authentication • Cipher Suites for Template/Channel Encryption including AES, TDES, etc. • Secure Firmware Updates