IMAGO
TECHNOLOGIES

21,5"

Vision Box Touch
Real Time Vision System with Touch

REAL-TIME VISION SYSTEM WITH TOUCH

Vision Box Touch

Vision Box Touch is a Real-Time industrial PC designed as a Touch Panel for solving machine vision applications that require an easy user interface close to the camera. The Vision Box Touch consist of IMAGO's unique Real-Time Communication Controller (RTCC) and Intel i-core processors. The 21.5" Multi-Touch Display offers enough space to run your Real-Time Vision System. ODM (original design manufacturer) versions on request and MOQ/year.

Key Features

- Real-Time Communication Controller
- Incl. LED controller
- It´s a Vision Box inside
- Prepared for all-in-one vision systems

- 21.5" Display with Multi- Touch
- Computing power i5
- Windows 10 IoT / Windows 11 ready / Debian based Linux
- Embedded system / fanless design
- Long-term availability

Interfaces Back

Digital I/O	16 × In / 16 × Out isolated, 24V
Ethernet for LAN	1 × 2.500 Mbit/s + 2 × 1.000 Mbit/s
USB 3.1	4 × for external peripherals
DisplayPort, 60 Hz	1 ×
LED Controller (½ $A_{continuous}$ / 6 A_{Peak})	2 × current-controlled

Interfaces Front

Display	1 × 21.5", 1980×1080, 500cd/m²
Touchscreen	1 × Capacitive, 10 Fingers Multi-Touch
USB-C 2.0	1 ×

Processor / Storage

CPU (Cores)	
	i5-10500TE (6/12 – 2.3 GHz/ 3.7 GHz)
DDR RAM	2 × 4 GB DDR4
Mass Storage	1 × CFast ≥ 240 GB

Mechanical / Electrical

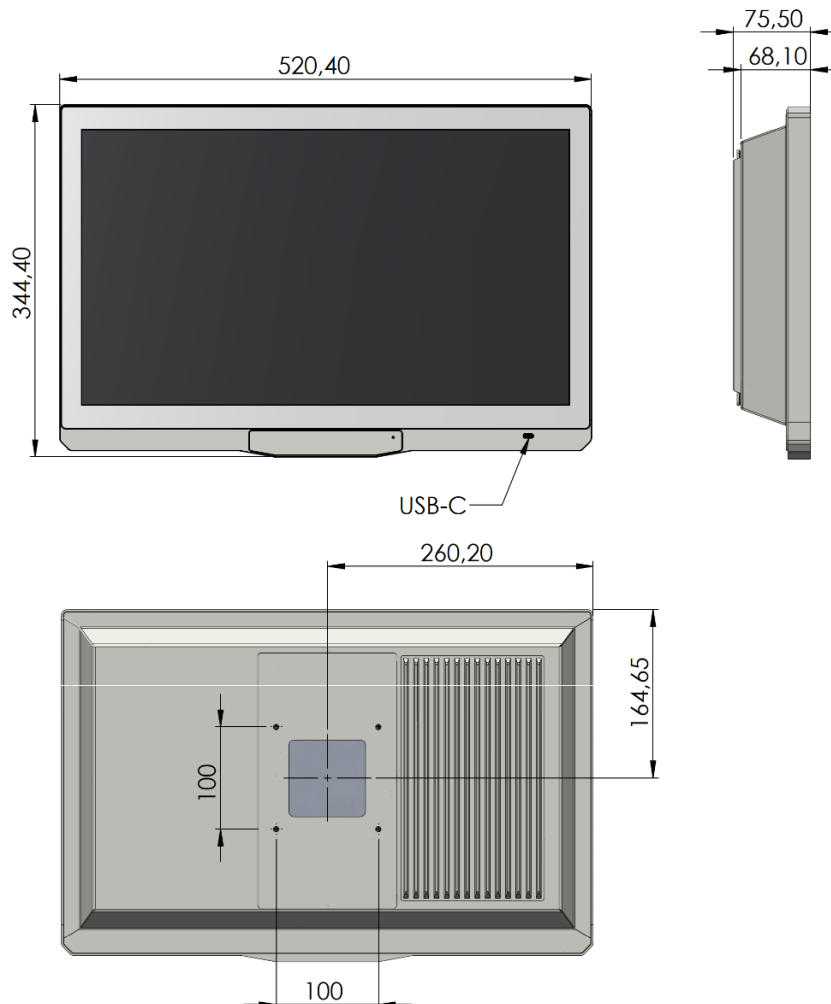| Power Consumption*[1]	72 W*[2]
*[1]TDP Workload, Display brightness 100%	*[2](measured with i5-10500TE)
Supply Voltage	24 V_{DC} ±10%
Power Supply Current Rating (peak current)	5.7 A (Turbo ON) / 3.4 A (Turbo OFF)
Temperature Range	+5°C … +40°C
Weight	8.8 kg
Dimensions (H x W x D)	520.4 mm × 344.4 mm × 75.5 mm
Mounting Support	VESA 100, 4 × M4

Dimensions

The smartest embedded vision components

For more than 25 years, IMAGO has been supplying machine vision technology to machine builders to improve product quality, make processes smoother, avoid production errors, reduce manufacturing costs and make systems more efficient.

What we do

With the focus on what counts for our customers, we develop hardware components for industrial image processing. Be it in factory automation, the printing industry, for the food and beverage industry, pharmaceutical or logistics industry. IMAGO supplies vision systems, smart cameras, vision sensors and the appropriate software for the optimized use of our products. We pay special attention to miniaturization, high frame rates, increasing computing power and environmentally friendly power consumption. These characteristics already distinguish our products today.
And we are proud of them.