21,5"

*Product may vary slightly from image

Vision Box Touch

REAL-TIME VISION SYSTEM WITH TOUCH

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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 Pentium processors. The 21.5" Multi-Touch Display offers enough space to run your Real-Time Vision System. Experience seamless machine integration and intuitive, easy-to-use operation with the included Button Bar. 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 Pentium
- Windows 10 IoT / Windows 11 ready / Debian based Linux
- Embedded system / fanless design
- Long-term availability

*Product may vary slightly from image

Processor / Storage

Type	Pentium G6400E	Pentium G6400E
Processor Clock	2 x 3.8 GHz	2 x 3.8 GHz
Turbo	-	-
DDR RAM	2 x 8 GB DDR4 RAM	1 x 8 GB DDR4 RAM
Mass Storage	1 x CFast ≥ 240 GB	1 x CFast ≥ 240 GB

Interfaces Front

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

Interfaces

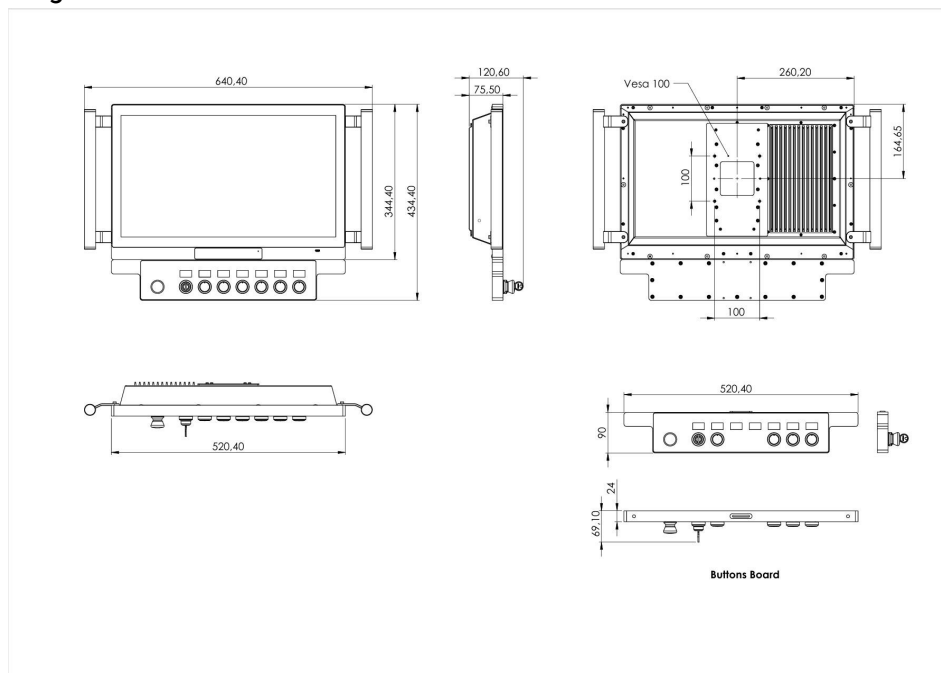| Ethernet	1 x 2.5 Gbit/s 2 x 1 Gbit/s	1 x 2.5 Gbit/s 2 x 1 Gbit/s
Digital I/O	16 x Input / 16 x Output, opto-isolated, 24V	-
Display Interfaces	1 x Display Port, 60Hz	1 x Display Port, 60Hz
USB	4 x USB 3.2	4 x USB 3.2
LED Controller	2 x Current Controlled, 0.5 A Continuous, 6 A Peak	-

Mechanical / Electrical

Power Consumption	tbd
Power Supply	21 VDC - 30 VDC
Power Supply Current Rating (peak current)	tbd
Certification	IP65 (Front) / IP40 (Rear), CE
Temperature Range	+ 5 °C … + 40 °C (Distance to heatsink > 50 mm)
Dimension W x H x D	520.4 mm x 344.4 mm x 75.5 mm
Weight	tbd
Mounting Support	VESA 100, 4 × M4

Documentation

Hompage	Link
SDK Documentation	Link
Hardware Manual	Link
3D Model	Link

Dimensional Drawing

The smartest embedded vision components

For more than 30 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 distunguish our products today.

And we are proud of them.