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Datasheet

Distec

POS-IQ-156-00-PRO

15.6" Monitor with x86

MO-06-109



Version 0.2

13.09.2023

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1 Revision History

Date	Rev.No.	Description	Page
11.10.2021	0.1	Preliminary Version	All
13.09.2023	0.2	12-24V	5-6

2 Description

Distec's 15.6" POS-IQ-156-00-PRO is a CE certified/IP65 proof front monitor solution, powered with an integrated State-of-the-Art embedded PC. Therefore, it is the perfect platform for high-performance visualization projects.

Its robust but slim cover offers all options for integration and various applications. The POS-IQ-156-00-PRO is equipped with an industrial high-brightness display and is designed for long term availability.

The POS-IQ Series features:

- an integrated 10 finger PCAP touchscreen
- an ambient light sensor for automatic brightness adjustment to ambient light conditions
- integrated passive cooling, which allows operating the system under full load even at high ambient temperatures
- VESA Mounting holes for using it as an HMI, mounted on a swivel arm or monitor stand
- As Option: in-wall mounting frame for a variety of integrations in concrete, wooden, or drywall constructions

The integrated IPC offers all advantages of a modern 64bit x86 PC:

- High performance for a passive system due to an Intel® Pentium® N4200 processor
- Dual Gigabit Ethernet, 4 x USB 3.0
- HDMI 1.4b, DisplayPort 1.2 and RS-232/422/485 interfaces
- 4GB highspeed RAM and an industrial grade SSD with 64GB memory
- driven by single 12V-24V power supply
- *As Option:* Wireless - or Bluetooth adapters to be connected via LAN or USB

Available Software:

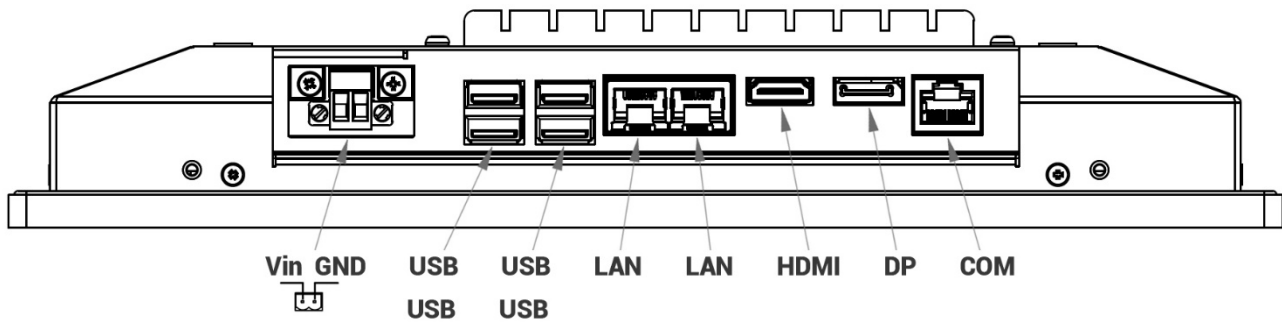
The POS-IQ-PRO series is shipped with Windows 10 embedded off the shelf. Of course the device can be used with different operation systems and various application software can be installed.

More details regarding available application software and operating systems can be found in the [flyer](#).

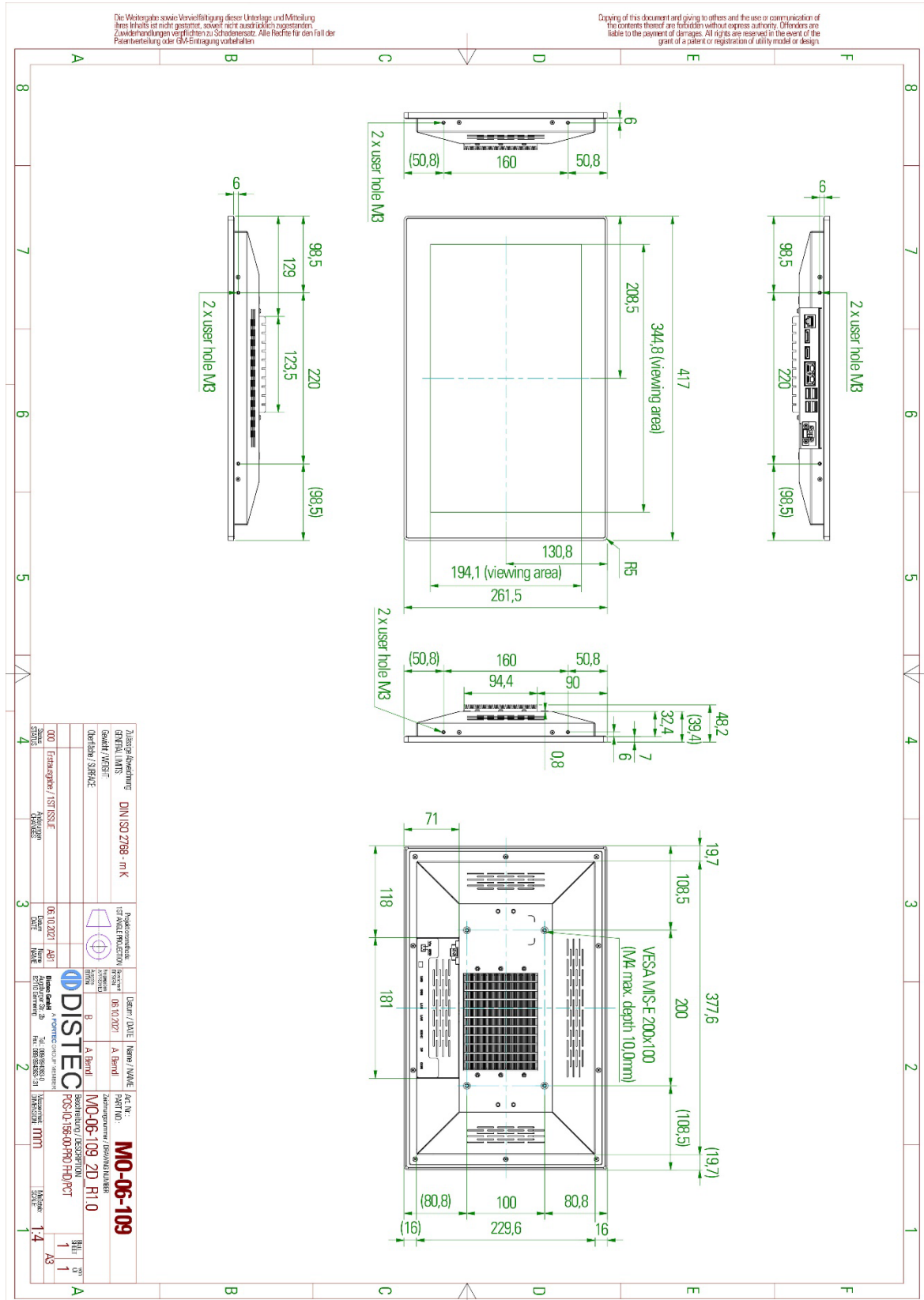
3 Characteristics

Items	Unit	Specification
Screen Diagonal	[inch]	15.6
Pixels H x V		1920 x 1080
Supported Colors		16.2M(6bit color+ FRC)
Brightness	[cd/m ²]	300
Viewing Angle	v/h	89/89/89/89
Nominal Input Voltage	[V]	12-24
Typical Power Consumption	[W]	19.4
Memory	GB	4
SSD	GB	64
Electrical Interface		2 x Gbit LAN, 4 x USB 3.0, HDMI, DisplayPort, 1 x RS-232/422/485
PCAP Touchscreen Touchpoints	finger	10
Storage Temperature	[°C]	0 to +60
Operating Temperature Range	[°C]	0 to +50
IP rating		Front IP65
Physical Size H x V x D	[mm]	367 x 233 x 49
Active Area H x V	[mm]	344.16 x 193.59
Weight	[kg]	3.2

3.1 Interfaces



4 Mechanical Drawing



5 Optional Accessories

5.1 Overview

Mounting		
In-Wall Mounting Frame	MK-06-007	POS-IQ-156-01-PRO In-Wall mounting Frame
Power Supply Unit		
PSU 12V/5A	NT-01-062	AC Adapter CWT KPL-060F-VI(C14/12V5A)2,1
Power Cord EU	DB-07-225	IEC PowerCord (EU-C13) 3x0,75 black 1,8m
Power Cord UK	DB-07-226	Power Cord (UK - C13) black 1,8m
Power Cord USA	DB-07-238	Power Cord (US-C13) black 1,8m/6 feet
Other		
WiFi	PC-05-071	DELOCK 12462 WLAN Stick/Antenna USB 2.0

5.2.1 Mounting instruction

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The enclosed snappers must be pre-assembled on the basic unit

2 x snapper mounted with Counter-sunk (MKx6)
11,2

rigid mounting option (no strap solution) use of distance bolts M4x12 and screws M4 (Only accessible for installation of the device from behind)

Additional mounting options via side holes and threads

Mounting dry wall/cement

cutout depth 46.0mm
386,6
238,6
mounting holes

Mounting on plate (frontmount)

401
3,5
R5
386,6
238,6
245,5
mounting holes

Zustieg/Abstieg		DIN ISO 2768 - m K		Technische Zeichnung		Datum / DATE		Name / NAME		Ar. Nr.	
GERÄT / INSTR.		X00_MK-06-019		17.03.2019		16.09.2019		A. Berndt		P. BERTHO	
Gerät / DEVICE		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	
Geräte / SURFACE		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	
001 Einbaugröße / ISET SIZE		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	
002 Größe / SIZE		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	
003		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	
004		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	
005		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	
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007		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	
008		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	
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039		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	
040		X00_MK-06-019		16.09.2019		16.09.2019		A. Berndt		P. BERTHO	

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