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Datasheet

Distec

POS-RP-156-03-PRO FHD/PCT/HB

15.6" High-Brightness Monitor with Artista IoT

Landscape Mode version: MO-06-007 (MO-06-057, MO-06-077)

Portrait Mode version: POS-RP-156-04-PRO (MO-06-012) (MO-06-062, MO-06-082)



PROSERIES

Version 1.6

13.09.2023



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1 Revision History

Date	Rev.No.	Description	Page
09.12.2020	0.1	Preliminary Version	All
14.12.2020	0.2	Revised description, order of characteristics and new cover/last page	1, 11
01.03.2021	0.3	Illustration OSD Keypad added	6
20.05.2021	1.0	Release Version (logos added), WebPoster, VideoPoster	All
12.07.2021	1.1	Software Flyer added	5
27.07.2021	1.2	New template	All
08.09.2021	1.3	Optional Accessories: Overview	8
21.03.2023	1.4	12-24V	5-6
18.04.2023	1.5	Temperature	6
13.09.2023	1.6	12/24V	5-6

2 Description

Distec's 15.6" POS-RP-156-03-PRO is a CE certified/IP65 proof front monitor solution, featuring the Raspberry Pi CM3+ based TFT platform Artista-IoT. Therefore, it is the perfect solution for Industry 4.0 and Internet of Things projects.

Its robust but slim cover offers all options for integration and various applications. The POS-RP-156-03-PRO is equipped with an industrial high-brightness display and is designed for long term availability.

The POS-RP-156-03-PRO FHD/PCT/HB (MO-06-007) can be ordered as "Landscape Mode version" or as "Portrait Mode version" POS-RP-156-04-PRO FHD/PCT/HB (MO-06-012).

The POS-RP 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

Artista-IoT offers all advantages of a modern ARM processor platform:

- driven by single 12/24V power supply (24V in development)
- in comparison to RaspberryPi standard industrial functions like Real-Time-Clock and others
- Basis configuration: CM3+/8GB (optional 16GB or 32GB)
 - Note: Due to the market situation, Distec reserves the right to install the respective CM3 + module available on the market in the series so that the delivery capability of the POS-XX-PRO series can be improved
- Standard configuration: Raspian
- LAN, HDMI-IN 1.4, 2xUSB as front interfaces, Micro-SD card reader
- An OSD keypad for full access to OSD menu board (→ [PrismaMedia-Eco Datasheet](#))
- *As Option:* Wireless - or Bluetooth adapters to be connected via LAN or USB

Available Software:

The Monitors in Landscape Mode version with VideoPoster or WebPoster as optional Application-Software can be ordered with the following part no MO-06-057 (VP) or MO-06-077 (WP).

The Monitors in Portrait Mode version with VideoPoster or WebPoster as optional Application-Software can be ordered with the following part no MO-06-062 (VP) or MO-06-082 (WP).

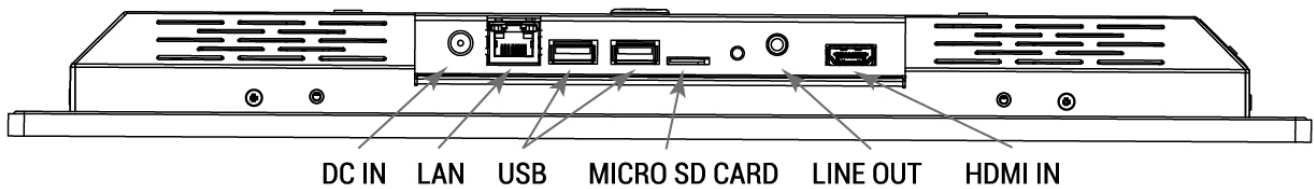
Users are able to program their own applications on a Raspberry Pi basis or using all operating systems and application programs, which are supplied and supported by the large community.

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

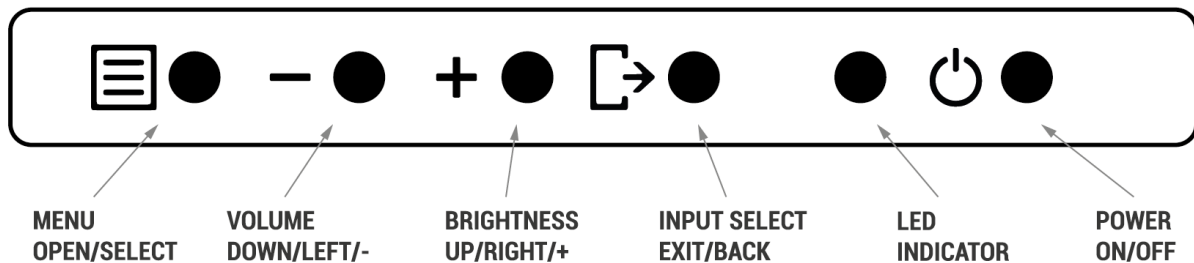
3 Characteristics

Items	Unit	Specification
Screen Diagonal	[inch]	15.6
Pixels H x V		1920 x 1080
Supported Colors		16.7M (8bit color)
Brightness	[cd/m ²]	1.300
Viewing Angle	v/h	88/88/88/88
Nominal Input Voltage	[V]	12/24
Typical Power Consumption	[W]	23.3
Electrical Interface		USB, Audio, Micro SD, Ethernet RJ45, HDMI
PCAP Touchscreen Touchpoints	finger	10
Storage Temperature	[°C]	-20 to +70
Operating Temperature Range	[°C]	-20 to +50
IP rating		Front IP65
Physical Size H x V x D	[mm]	417 x 261.5 x 39.8
Active Area H x V	[mm]	344.8 x 194.1
Weight	[kg]	3.8

3.1 Interfaces



3.2 OSD Keypad

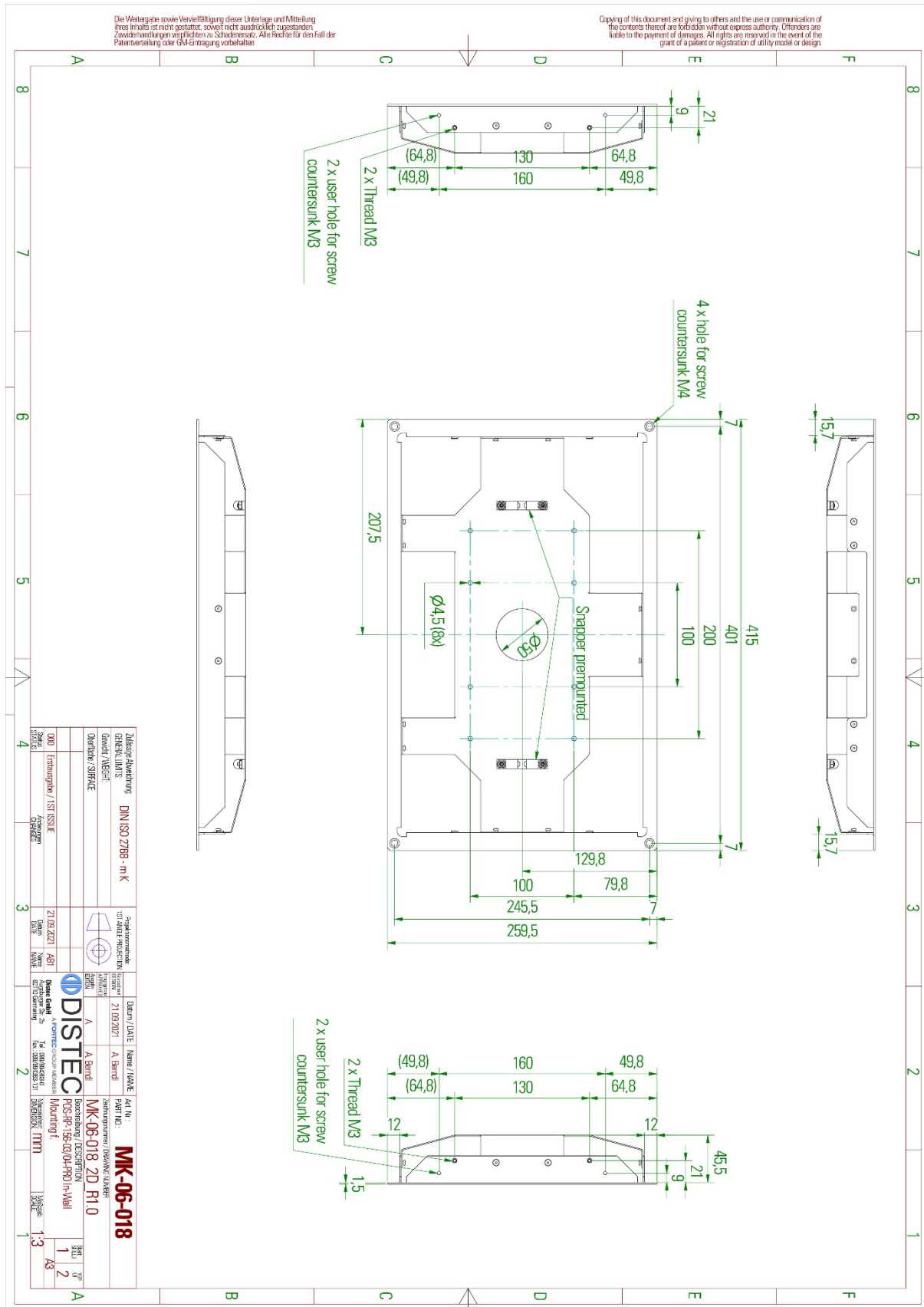


5 Optional Accessories

5.1 Overview

Mounting		
In-Wall Mounting Frame	MK-06-018	POS-RP/4K-156-00-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
Micro SD-Card	PC-04-030	microSDHC CARD 16GB SANDISK ULTRA 80MB/S

5.2 Mounting Frame



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 Countersink M4x6

11,2

Mounting dry wall/cement

386,6
cutout
depth 46,0mm
238,6

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

Mounting on plate (frontmount)

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

Additional mounting options via side holes and threads

Additional mounting options via side holes and threads

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GENERAL PARTS		STANDARD PRODUCTION	21.09.2021										
Customer SERVICE													
1001 Ersatzteile / IST ISSUE													
STATUS													

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