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# Datasheet

## Distec

**POS-4K-156-00-PRO**

**15.6" Monitor with Prisma-4K**

MO-06-201



Version 0.6

27.07.2021

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Preliminary

## 1 Revision History

| Date       | Rev.No. | Description   | Page |
|------------|---------|---|------|
| 10.12.2019 | 0.1     | Preliminary Version   | All  |
| 20.11.2020 | 0.2     | Interface Image added; first page updated                             | 6    |
| 14.01.2021 | 0.3     | Revised description, order of characteristics and new cover/last page | 5, 6 |
| 01.03.2021 | 0.4     | Illustration OSD Keypad added   | 6    |
| 08.03.2021 | 0.5     | Mounting Frame, Mounting Instruction added                            | 8, 9 |
| 27.07.2021 | 0.6     | New template  | all  |
|            |         |   |      |
|            |         |   |      |

## 2 Description

Distec's 15.6" POS-4K-156-00-PRO is a CE certified/IP65 proof front monitor solution with UHD/3840x2160 resolution, featuring the 4K TFT controller board PrismaECO-4K. Therefore, it is the perfect platform for projects requiring a brilliant, detailed visualization and high-quality workmanship.

Its robust but slim cover offers all options for integration and various applications. The POS-4K-156-00-PRO is equipped with an industrial high-brightness display and is designed for long term availability.

The POS-4K 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

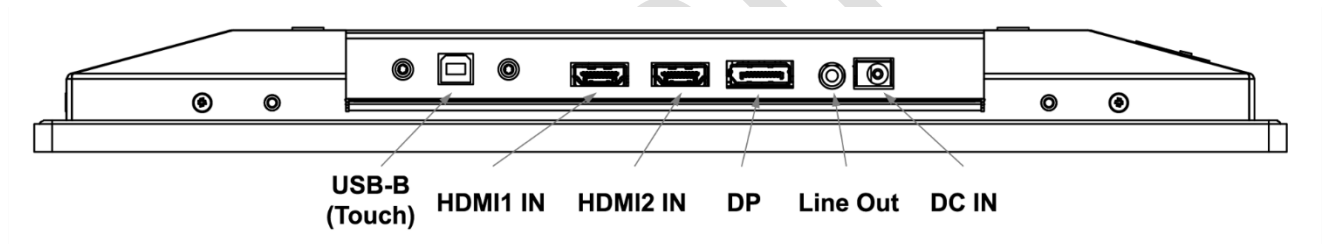
PrismaECO-4K provides:

- HDMI2.0 and DisplayPort 1.2 input interfaces
- auto detection for all input ports
- auto image position/color
- PIP and PBP
- 2x8W (8Ω) stereo speaker output
- An OSD keypad for full access to OSD menu board (→ [PrismaEco-4K Datasheet](#))

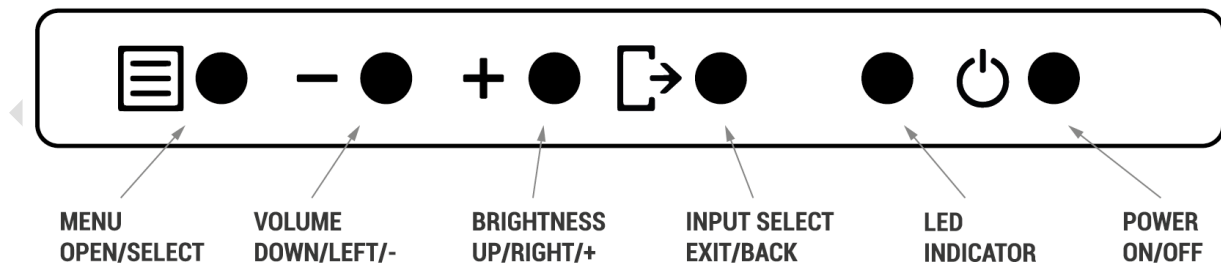
### 3 Characteristics

| Items                        | Unit                 | Specification                    |
|------------------------------|----------------------|----------------------------------|
| Screen Diagonal              | [inch]               | 15.6                             |
| Pixels H x V                 |                      | 3.840 x 2.160                    |
| Supported Colors             |                      | 16.7M (8bit color)               |
| Brightness                   | [cd/m <sup>2</sup> ] | 272                              |
| Viewing Angle                | v/h                  | 85/85/85/85                      |
| Nominal Input Voltage        | [V]                  | 12                               |
| Typical Power Consumption    | [W]                  | 29.3                             |
| Electrical Interface         |                      | 12V, Audio, 2x HDMI, DisplayPort |
| PCAP Touchscreen Touchpoints | finger               | 10                               |
| Storage Temperature          | [°C]                 | -20 to +60                       |
| Operating Temperature Range  | [°C]                 | 0 to +50                         |
| IP rating                    |                      | Front IP65                       |
| Physical Size H x V x D      | [mm]                 | 417 x 261.5 x 34.8               |
| Active Area H x V            | [mm]                 | 344.22 x 193.62                  |
| Weight                       | [kg]                 | 3                                |

#### 3.1 Interfaces



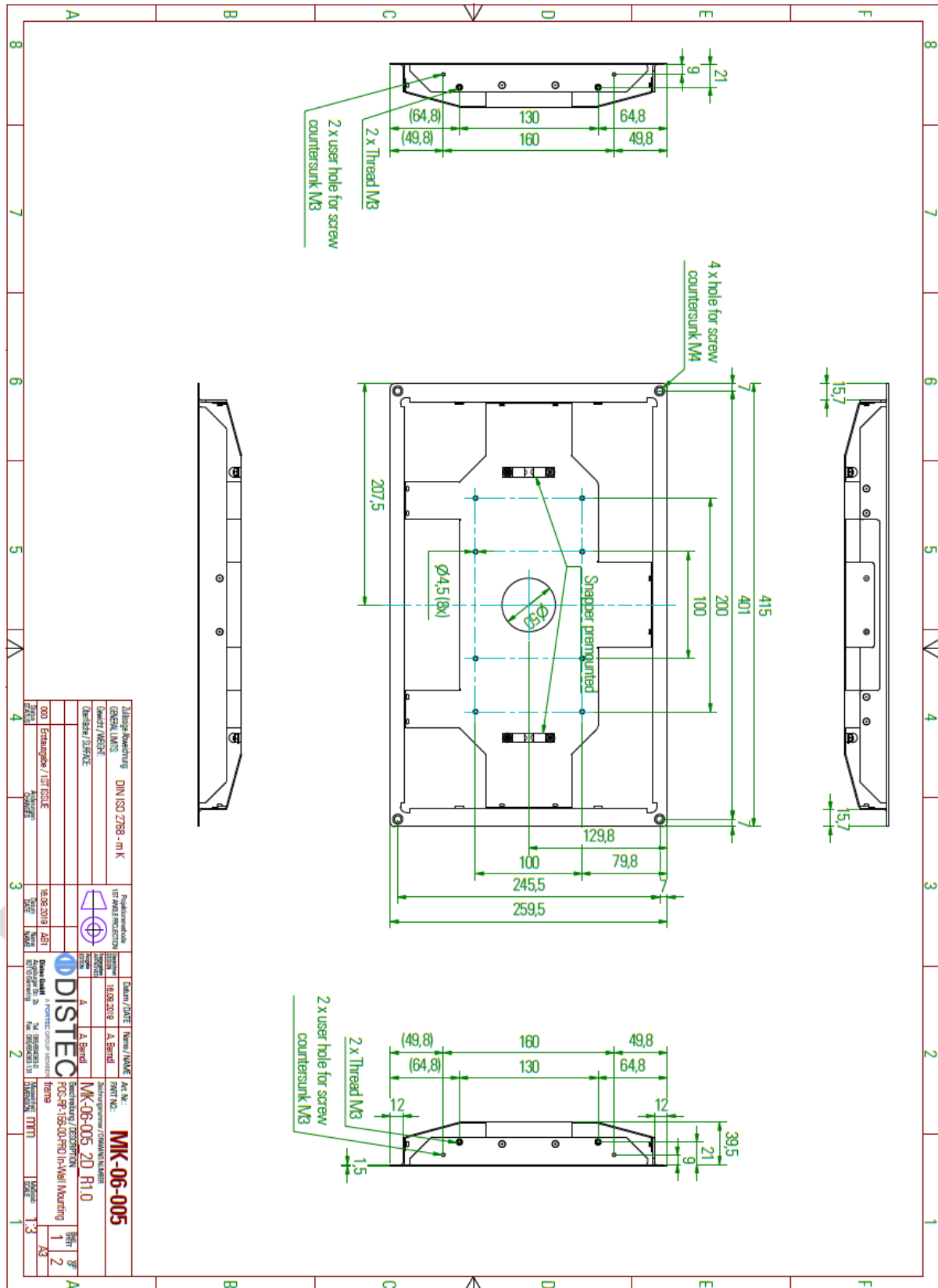
#### 3.2 OSD Keypad





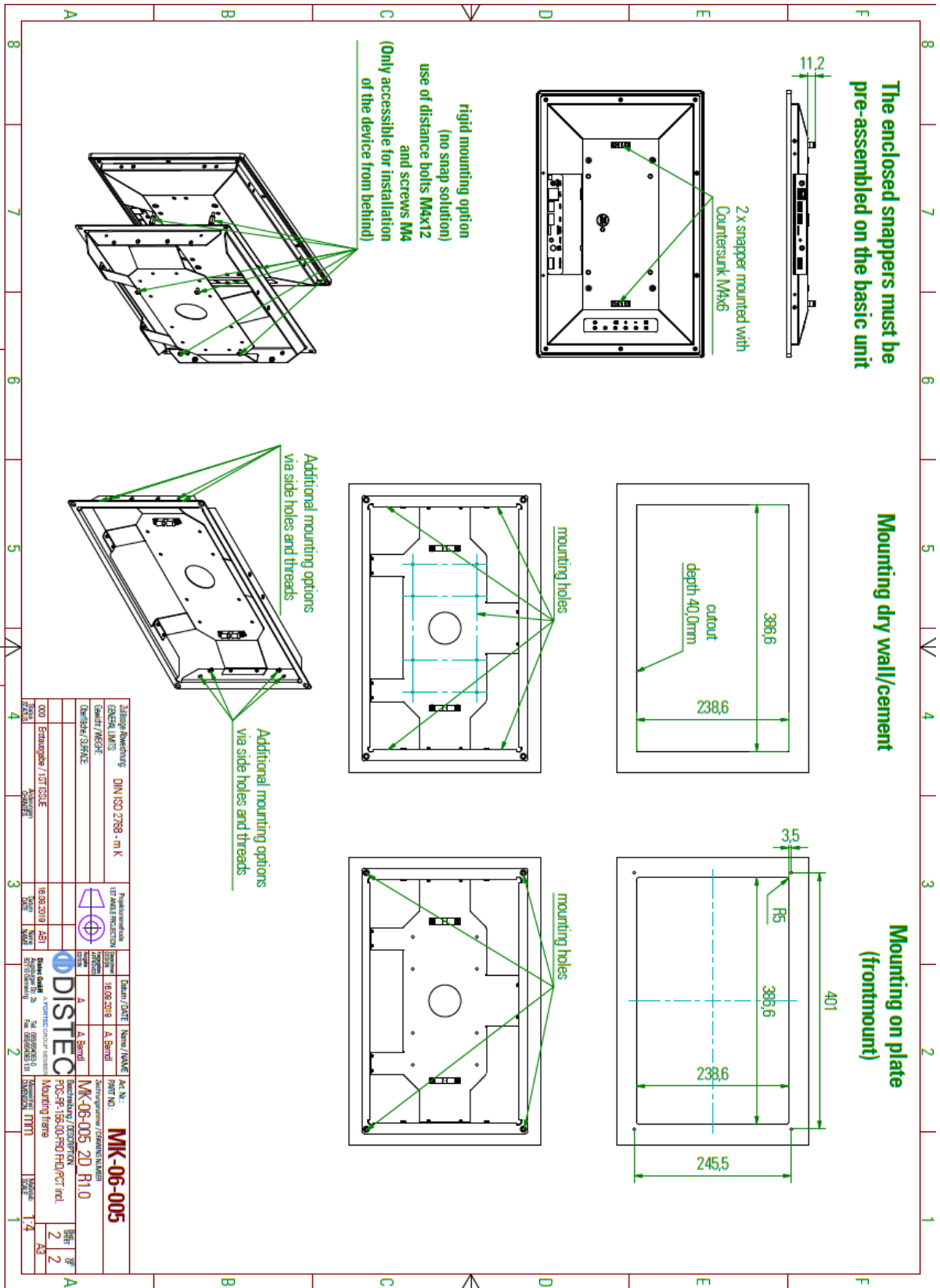
## 5 Optional Accessories

### 5.1 Mounting Frame





## 5.1.1 Mounting instruction



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