

# OUR GLOBAL COMPETENCE CENTRES



 APOLLO DISPLAY  
TECHNOLOGIES



 DISTEC



 DISPLAY  
TECHNOLOGY



 DISTEC  
A FORTEC GROUP MEMBER

## POS-I PRO SERIES

- round 3.4“ CE certified monitor series in four configurations
- integrated capacitive 10-finger touchscreen
- powder-coated aluminum frame
- wide operating temperature range (Top -20 – +70 °C)
- robust solution for demanding applications
- protected against dust and water jets from the front according to IP65
- easy installation via mounting bolts on the back

## DE-05-017

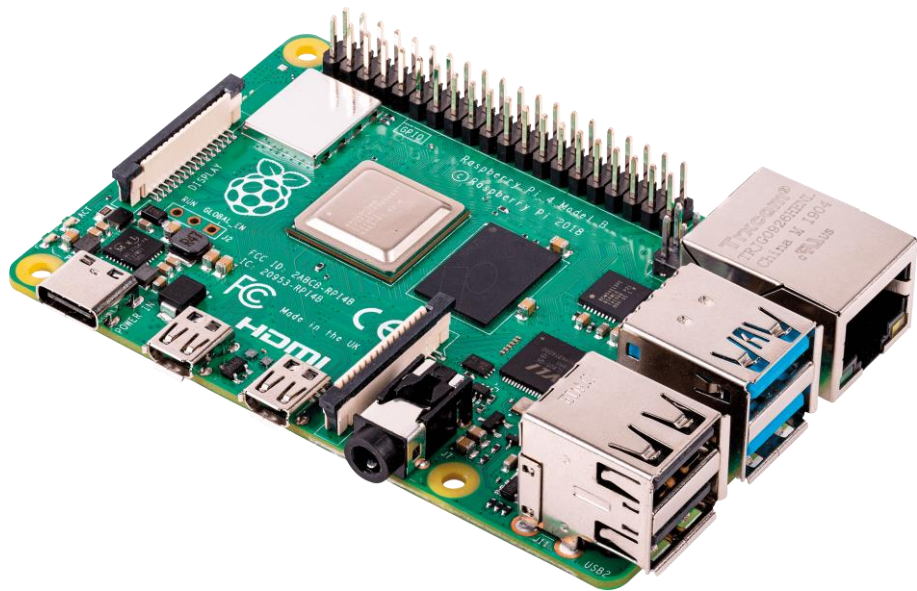
ZW-T034TQH-04CP-B 3.4R/800X800/350CD/TOU



- Round Display
- Resolution 800x800 pixel
- Touch + Glass on Display
- Manufacturer: Disea

# PC-02-022

## RASPBERRY PI 4 B 4GB



- **Raspberry Pi 4 B (PC-02-022)**
  - 1,5 GHz ARM Cortex-A72 Quad-Core-CPU
  - 4 GB LPDDR4 SDRAM
  - Gigabit LAN RJ45 (up to 1000 Mbit)
  - Bluetooth 5.0
  - 2x USB 2.0 / 2x USB 3.0
  - 2x microHDMI (1x 4k @60fps or 2x 4k @30fps)
  - USB Type-C @ 5V/3A
- **PC-04-030**
  - microSDHC card 16GB SANDISK ULTRA 80MB/s

# PRODUCT LINEUP

## STAIRS OF VARIANTS

**POS-I-034-00-PRO-V1**  
800x800/PCT



**MO-06-401**  
Variant 1, Base Module

- Display
- Touch
- Housing

**POS-I-034-00-PRO-V2**  
800x800/PCT/Cable



**MO-06-402**  
Variant 2, Base Module  
+ Additional Cable Set

- Display
- Touch
- Housing
- Cable

**POS-I-034-00-PRO-V3**  
800x800/PCT/RP4



**MO-06-403**  
Variant 3, Base Module  
+ Raspberry Pi Module  
+ Cable Set

- Display
- Touch
- Housing
- Cable
- Raspberry Pi 4  
(external)

**POS-I-034-00-PRO-V4**  
800x800/PCT/RP4/Frame



**MO-06-404**  
Variant 4  
Pre Assembled Monitor  
Module

- Display
- Touch
- Frame
- Cable
- Raspberry Pi 4
- Mounting Frame

# MO-06-401

POS-I-034-00-PRO-V1 800X800/PCT

- **Base Monitor**
  - with Touch and Coverglass
  - O-Ring sealing
  - Powder-coated metal housing
  - Mounting bolts



# MO-06-402

POS-I-034-00-PRO-V2 800X800/PCT/CABLE

- **Monitor**
  - MO-06-401
  - Cable HDMI 1m
  - Cable USB (Touch) 1m





# MO-06-403

POS-I-034-00-PRO-V3 800X800/PCT/RP4

- **Monitor Solution**
  - Raspberry Pi 4  
(in stainless steel casing)
  - Cable HDMI 1m
  - Cable USB (Touch) 1m





# MO-06-404

POS-I-034-00-PRO-V4 800X800/PCT/RP4/FRAME

- Monitor Solution
  - Raspberry Pi 4 (in stainless steel casing)
  - Cable HDMI 0,3m
  - Cable USB (Touch) 0,3m
  - In-wall mounting frame



# GENERAL INFORMATION

## TECHNICAL DATA POS-I-PRO SERIES



Items	Unit	Specification
Screen Diagonal	[inch]	3.4"
Pixels H x V		800 x 800
Supported Colors		16.7M (8bit color)
Brightness	[cd/m <sup>2</sup> ]	350
Viewing Angle	u/d/l/r	80/80/80/80
Nominal Input Voltage	[V]	5
Typical Power Consumption Display	[W]	t.b.a.
Typical Power Consumption Display + RP4	[W]	t.b.a.
Electrical Interface Display		5V, USB, HDMI-IN
Electrical Interface RP4 Module		5V, USB, Audio, SD Card, Ethernet RJ45, HDMI
Memory	GB	4
SD	GB	16
PCAP Touchscreen Touchpoints	finger	10
Storage Temperature Display	[°C]	-30 to +80
Operating Temperature Range Display	[°C]	-20 to +70
Storage Temperature Display + RP4	[°C]	0 to +50
Operating Temperature Range Display + RP4	[°C]	0 to +50
IP rating		Front IP65
Physical Size H x V x D	[mm]	125 x 125 x 4,7
Active Area H x V	[mm]	87.6 x 87.6
Weight Variant 1	[kg]	0,175
Weight Variant 2	[kg]	0,250
Weight Variant 3	[kg]	0,400
Weight Variant 4	[kg]	0,580

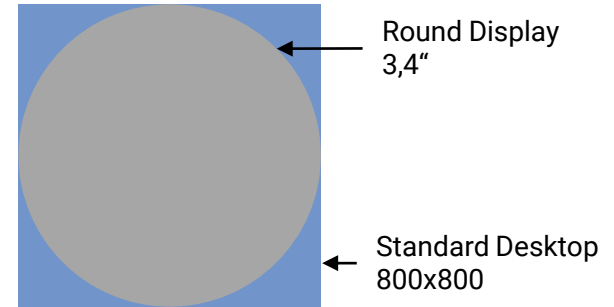
# FIRMWARE

## POSSIBLE OPTIONS

Distec offers a customized GUI demo application based on Embedded Wizard. The demo features a round user interface and offers multi-touch functionality such as swipe gestures.

More information: [Embedded Wizard | Simplify Your GUI Development \(embedded-wizard.de\)](https://embedded-wizard.de)

Alternatively, you can install a web browser and use it in kiosk mode to display web-based content as a custom user interface.



*The OS is not able to adapt the rectangular workspace to the round screen area. The corners (blue) are therefore not displayed.*



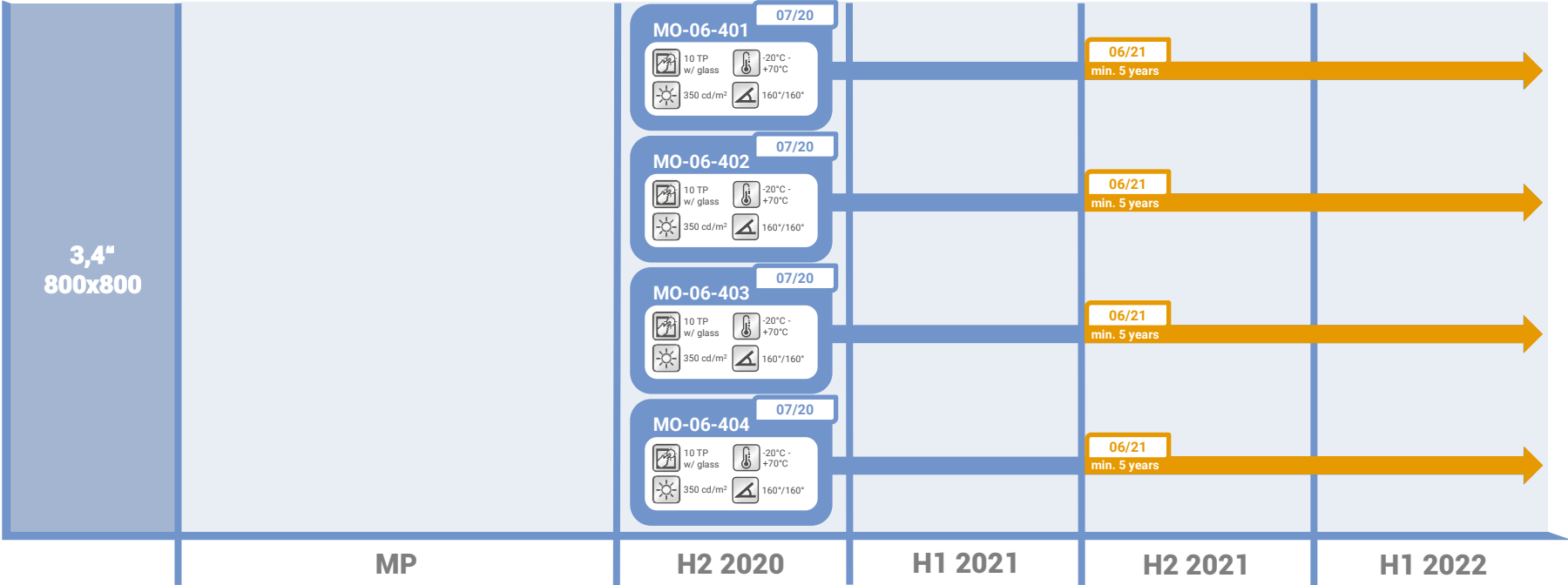
# FOR THE FUTURE

## WHAT COMES NEXT

- Smaller and larger designs on a project basis
- Larger round monitors with displays from AUO

# ROADMAP

## POS-i-PRO SERIES – 3,4" MODELS



3,4"  
800x800

MP
Developing
Idea/Planned

Brightness
 PCAP
 Glass
 Operating temperature range
 Viewing angle
 Transflective
 Long term availability
 Super long-life LED backlight

## Headquarters

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