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# Datasheet

## Distec

### Compact Panel

CP-P320HVN02.0-A01

DI-05-013

Version 1.4

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## 1 Revision History

| Date       | Rev.No. | Description                                    | Page |
|------------|---------|--|------|
| 20.06.2017 | 1.0     | Initial version                                | All  |
| 27.06.2017 | 1.1     | Support for IR-Remote removed                  | 8    |
| 12.10.2017 | 1.2     | Datasheet link updated; Last page updated      | 4, 9 |
| 05.12.2018 | 1.3     | Power supply cable changed, power supply added | 7+8  |
| 15.04.2019 | 1.4     | New design, accessories moved to separate file | All  |
|            |         |  |      |
|            |         |  |      |
|            |         |  |      |
|            |         |  |      |

## 2 Description

Distec's Compact Panel Series is an open frame design which is based on the PrismaCOMPACT-Media. This modular based construction allows an easy mounting through a spread TFT-Display assortment.

The PrismaCOMPACT-Media providing a RGB, HDMI/DVI, DP, USB/RS232 interface and supports resolutions from VGA up to WUXGA at a maximum of 85Hz refresh rate with automatic up- and downscaling function to full screen size, reverse scan and much more.

Our CP-P320HVN02.0-A00 32" Full HD LED Compact Panel with a high quality screen image and is designed for a wide temperature range usage and it gives a lot of convenience to the user in installing various applications such as gaming, amusement, industry and so on and accessing the GUI (Graphic User Interface).

## 3 Characteristics

| Items                             | Unit                 | Specification                  |
|-----------------------------------|----------------------|--------------------------------|
| Type                              | LCD TFT              | P320HVN02.0                    |
| Screen Diagonal                   | [inch]/[mm]          | 31.5 / 801.3                   |
| Physical Size H x V x D           | [mm]                 | 719.2 x 413.7 x 26.3           |
| Active Area H x V                 | [mm]                 | 698.4 x 392.85                 |
| Pixels H x V                      |                      | 1920 (x3) x 1080               |
| Supported Colors                  |                      | 16,7M (8bit)                   |
| Brightness                        | [cd/m <sup>2</sup> ] | 500                            |
| Viewing Angle                     |                      | 6h                             |
| Nominal Input Voltage             | [V]                  | 12 Prisma / 24 Backlight       |
| Typical Power Consumption         | [W]                  | 43 typ. (7 LCD / 36 Backlight) |
| Weight                            | [kg]                 | 4,9 max.                       |
| Electrical Interface              |                      | RGB, TMDS, DisplayPort, UART   |
| Temperature Range T <sub>OP</sub> | [°C]                 | 0...+50                        |

### 3.1 Further Specifications

#### 3.1.1 TFT Controller

Distec PrismaCOMPACT-Media [Datasheet PrismaCOMPACT-Media](#)

#### 3.1.2 TFT-Display

P320HVN02.0 [Datasheet P320HVN02.0](#)



## 5 Optional Accessories

Please refer to the [Compact Panel Accessories Overview](#) for more information.

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