



DATA DISPLAY GROUP

Datasheet

Next Generation Compact Panel

CP-M270HVN02.1-A00

DI-05-010

Version 1.0.0

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Table of Contents

1	Revision History	3
2	Description	3
3	Characteristics	4
3.1	Further Specifications.....	4
3.1.1	TFT Controller	4
3.1.2	TFT-Display	4
4	Mechanical Drawing	5
5	Optional Accessories	6
5.1	Kit Input Connector Board including cable set	6
5.2	Single Cables (Power Cable, DVI, VGA, RS232 interface)	7
5.3	External (4+1) Button OSD Keypad	8
5.4	IR-Remote.....	8



1 Revision History

Date	Rev.No.	Description	Page
29.05.2015	1.0.0	Initial release	All

2 Description

The DD Group's Next Generation 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-M270HVN02.1-A00 27" FHD 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	CP-M270HVN02.1-A00
Screen Diagonal	[inch]/[mm]	27.0/685.65
Physical Size H x V x D	[mm]	630.00 x 368.20 x 17.50
Active Area H x V	[mm]	597.60 x 336.15
Pixels H x V		1920 (x3) x 1080
Supported Colors		16.7M colors (RGB 8-bit)
Brightness	[cd/m ²]	300
Viewing Angle		6h / 12h
Nominal Input Voltage	[V]	12 typ.
Typical Power Consumption	[W]	33 typ.
Weight	[kg]	2.496
Electrical Interface		RGB, TMDS, DisplayPort, UART
Temperature Range T _{OP}	[°C]	0...+45

3.1 Further Specifications

3.1.1 TFT Controller

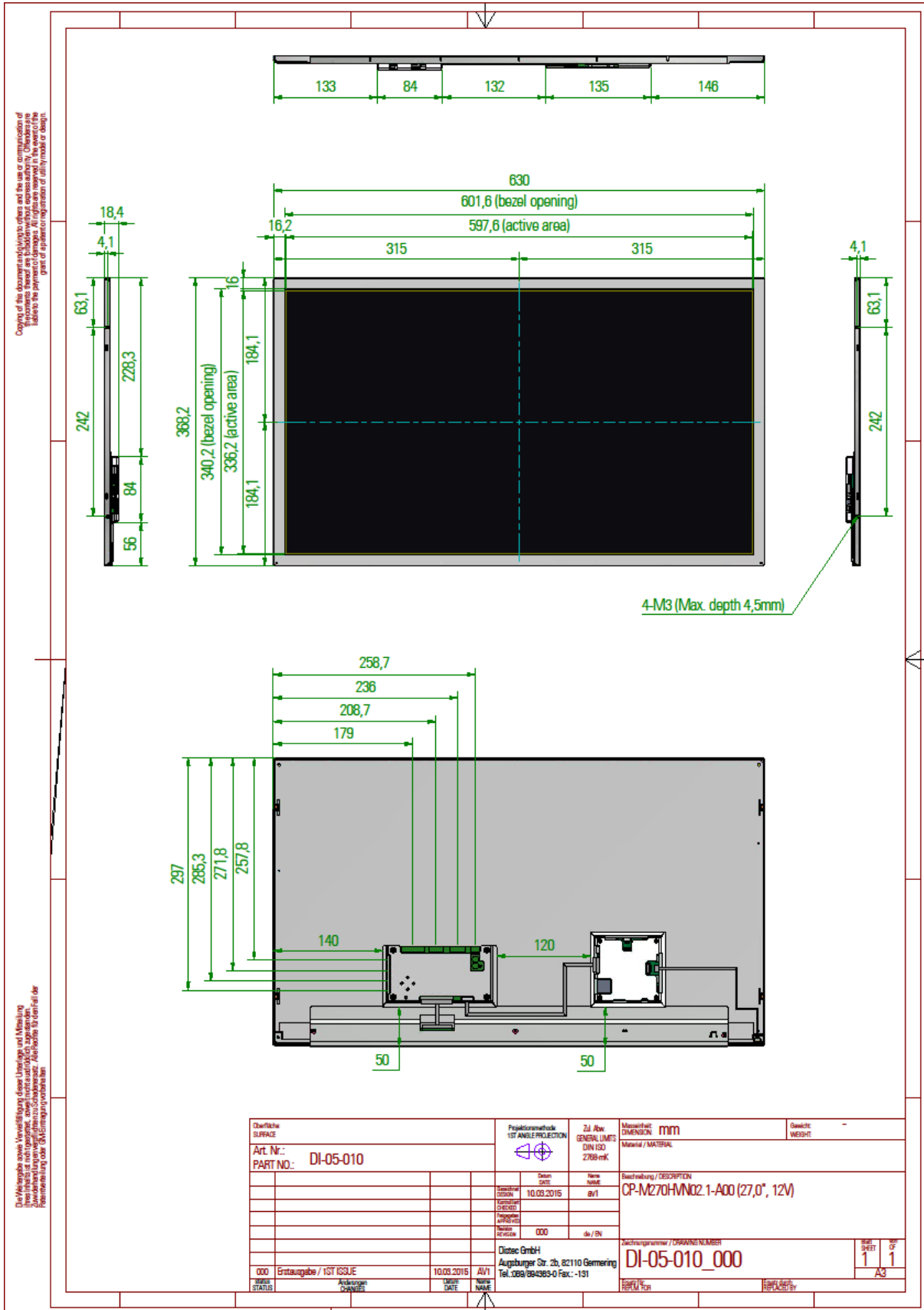
Distec PrismaCOMPACT-Media [Datasheet PrismaCOMPACT-Media](#)

3.1.2 TFT-Display

AUO M270HVN02.1 [Datasheet M270HVN02.1](#)



4 Mechanical Drawing

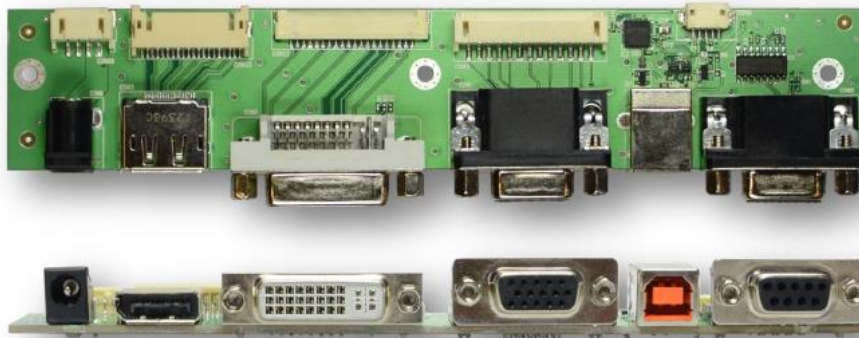




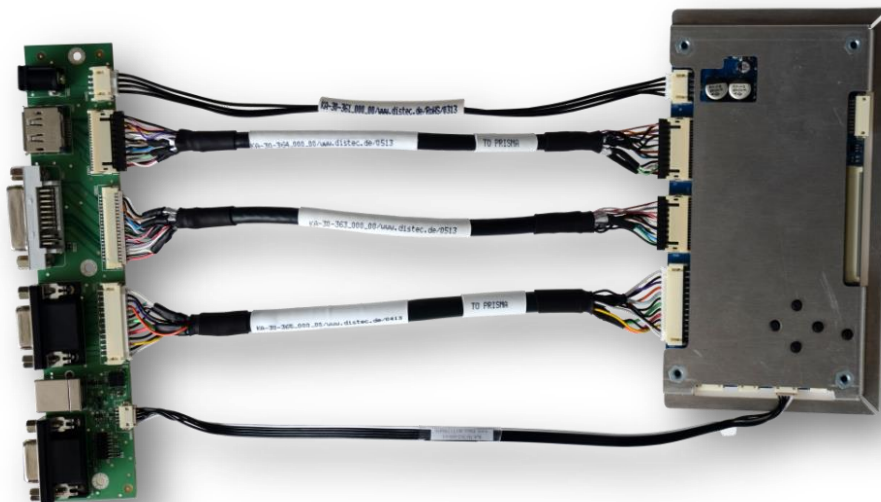
5 Optional Accessories

5.1 Kit Input Connector Board including cable set

- Connectors: Power-Jack, DP, DVI-I, VGA DSUB15, [USB-B/DSUB9] (Serial interface for firmware update and remote control)
- IF 396 cable connection set 20cm (Power, DP, DVI, RGB, UART)



ZU-02-396 IF396-00 RDDP-UR Input Board P-C Media



Order number:

KI-90-008 Kit CP-Input Board IF396 incl. cables

(Kit including the following components)

- ZU-02-396 IF396-00 RDDP-UR Input Board P-C Media
- KA-30-365 Cable RGB IF396/PrismaCompactMedia 20cm
- KA-30-363 Cable DVI IF396/PrismaCompactMedia 20cm
- KA-30-364 Cable DP IF396/PrismaCompactMedia 20cm
- KA-30-361 Cable POW IF396/PrismaCompactMedia 20cm
- KA-30-362 Cable UART IF396/PrismaCompactMedia 25cm



5.2 Single Cables (Power Cable, DVI, VGA, RS232 interface)

RS232 interface + cable for Remote Control and Firmware update

ZU-02-370 IF370-00-R10programingadap.Pris./Art.NET
KA-30-101 Cable Service/Debug ArtistaNET/Pris 80cm



VGA Cable

KA-03-027 VGA Cable LTM150XI/170EI female 80cm



DVI Cable

KA-30-382 Cable DVI-D Female / PCompactMedia 80cm



HDMI Cable

KA-30-577 Cable HDMI-A Male / PCompactMedia 80cm



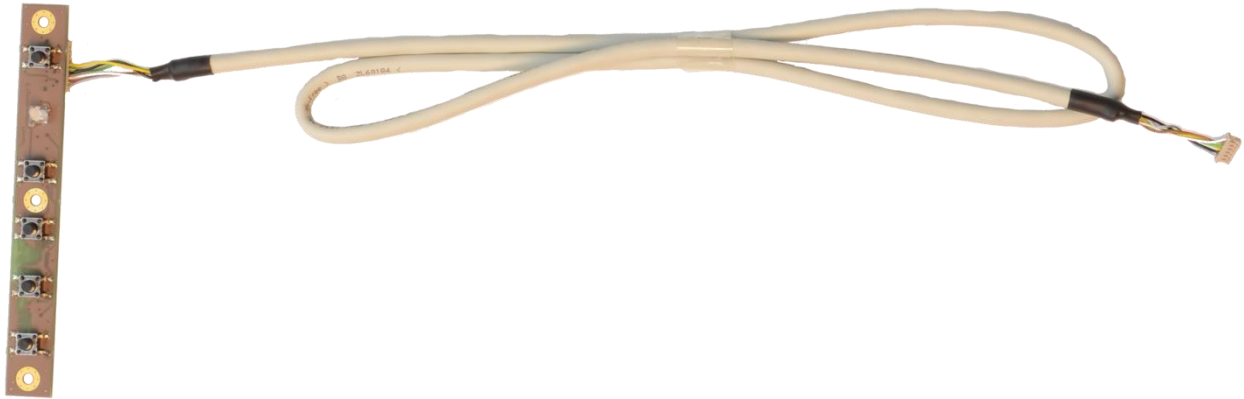
Power Supply Cable

KA-30-030 Power Supply Cable DI170/190S01 80cm





5.3 External (4+1) Button OSD Keypad



External (4+1) Button OSD Keypad:

- ZU-02-398 IF398-00-OSD-Board-Universal
- KA-30-394 OSD-Cable IF398

5.4 IR-Remote

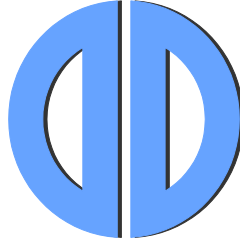
- Alternative to internal/external keypads, the CompactPanel can also be controlled through a remote control device. In order to communicate through IR, an IR-receiver can be attached via connector to the CompactPanel.



IR-Remote Set:

- RC-10-004 IR Remote Contr. PrII RC5-Code
- KA-30-094 IR Receiver f. Prisma II incl cable 40cm
- DS-30-666 Batterie +AAA Remote Control Pri II

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