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Datasheet

Distec

POS-4K-173-00-PRO

17.3" Monitor with Prisma-4K

MO-06-202

Version 0.3

14.01.2021

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1 Revision History

Date	Rev.No.	Description	Page
07.04.2020	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

Preliminary

2 Description

Distec's 17.3" POS-4K-173-00-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-173-00-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

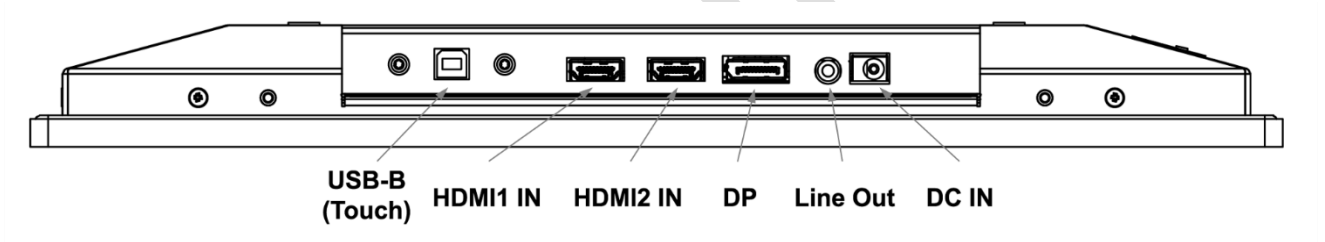
PrismaECO-4K provides:

- 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](#))

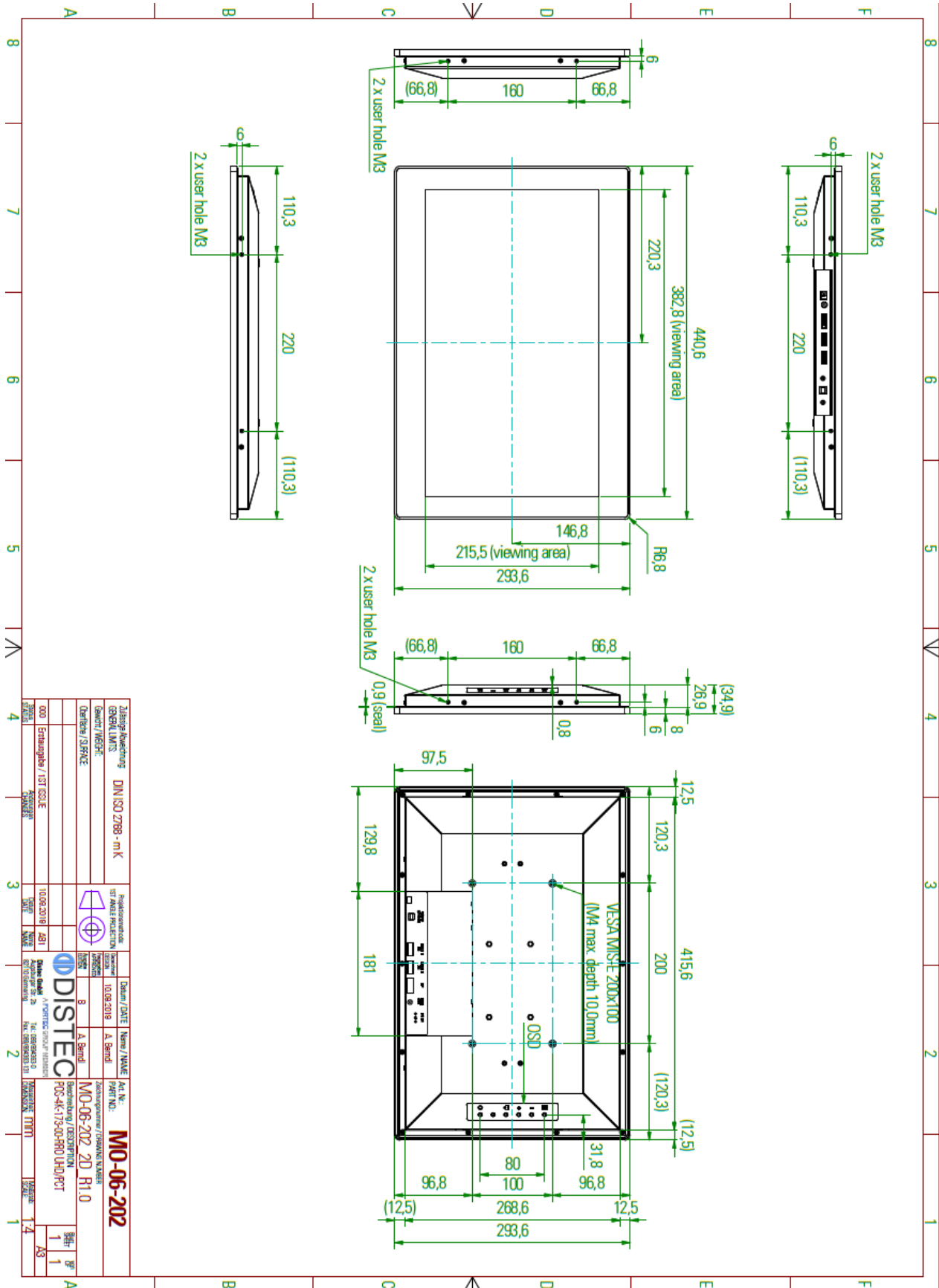
3 Characteristics

Items	Unit	Specification
Screen Diagonal	[inch]	17.3
Pixels H x V		3.840 x 2.160
Supported Colors		16.7M (8bit color)
Brightness	[cd/m ²]	320
Viewing Angle	v/h	89/89/89/89
Nominal Input Voltage	[V]	12
Typical Power Consumption	[W]	29.3
Electrical Interface		12V, Audio, 2x HDMI, DisplayPort
PCAP Touchscreen Touchpoints	Pcs.	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]	440.6 x 293.6 x 34.9
Active Area H x V	[mm]	382.12 x 214.94
Weight	[kg]	3

3.1 Interfaces

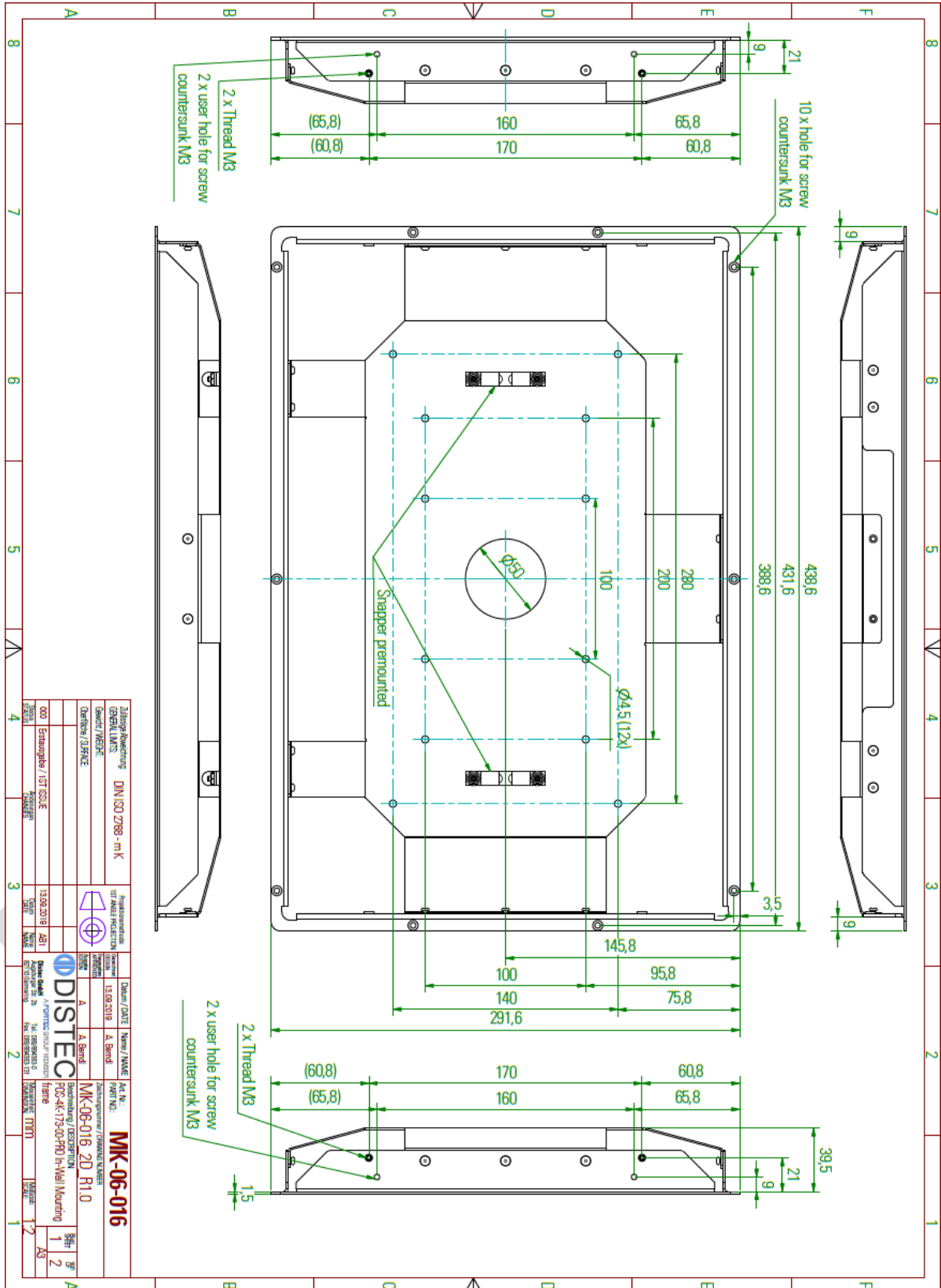


4 Mechanical Drawing

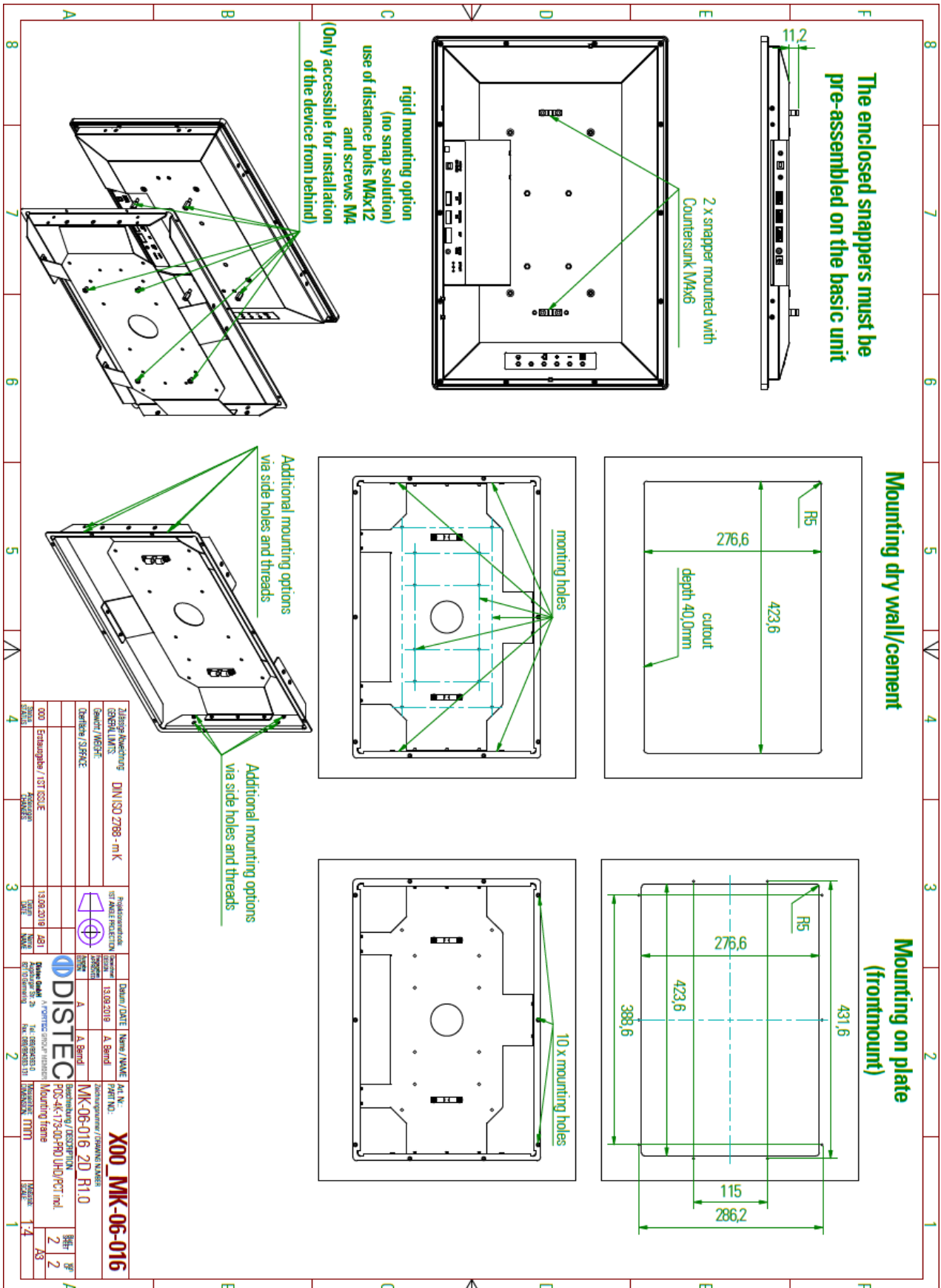


5 Optional Accessories

5.1 Mounting Frame



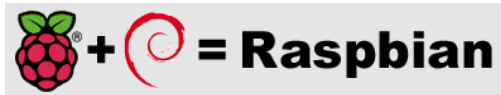
5.1.1 Mounting instruction



6 Software for the POS-4K-PRO Series

6.1 Operating systems

6.1.1 Raspbian O/S



Raspbian is a free operating system based on Debian optimized for the Raspberry Pi hardware.

6.1.2 Emteria O/S



Emteria is an O/S based on industrial Android 7.x, providing a simplified development process.

6.1.3 Yocto Linux



The Yocto Project provides tools and processes that enable the creation of Linux distributions for embedded and IoT software.

6.2 Application Software

6.2.1 Info Beamer



[Info Beamer](#) is capable of displaying any kind of information since it is fully programmable e.g. for synchronized content and full HD video playback.

6.2.2 VideoPoster-IV



[VideoPoster](#) is a full HD capable network player. MPEG media files are played from an SD card. Videos are transferred via USB or Ethernet.

Preliminary

Our company network supports you worldwide with offices in Germany, Austria, Switzerland, the UK and the USA. For more information please contact:

Headquarters

Germany



FORTEC Elektronik AG

Augsburger Str. 2b
82110 Germering

Phone: +49 89 894450-0
E-Mail: info@forteca.de
Internet: www.forteca.de

Fortec Group Members

Austria



Distec GmbH Office Vienna

Nuschinggasse 12
1230 Wien

Phone: +43 1 8673492-0
E-Mail: info@distec.de
Internet: www.distec.de

Germany



Distec GmbH

Augsburger Str. 2b
82110 Germering

Phone: +49 89 894363-0
E-Mail: info@distec.de
Internet: www.distec.de

Switzerland



ALTRAC AG

Bahnhofstraße 3
5436 Würenlos

Phone: +41 44 7446111
E-Mail: info@altrac.ch
Internet: www.altrac.ch

United Kingdom



Display Technology Ltd.

Osprey House, 1 Osprey Court
Hichingbrooke Business Park
Huntingdon, Cambridgeshire, PE29 6FN

Phone: +44 1480 411600
E-Mail: info@displaytechnology.co.uk
Internet: www.displaytechnology.co.uk

USA



Apollo Display Technologies, Corp.

87 Raynor Avenue,
Unit 1 Ronkonkoma,
NY 11779

Phone: +1 631 5804360
E-Mail: info@apolloDisplays.com
Internet: www.apolloDisplays.com