

Ultra High Definition 4K TFT-Displays

- 27" to 65" 4K TFT Displays
- 4K TFT Display for Medical Applications
- TFT Controller Prisma-4K



4K TFT-Displays



DATA DISPLAY GROUP

A FORTEC GROUP MEMBER

Coming soon:

Panel	M280DGJ-L30*	S400DJ1-KS5*	M270QAN01.0	M320QAN01.0	P650QVN03.0
Manufacturer	Innolux	Innolux	AUO	AUO	AUO
Size	28"	40"	27"	32"	65"
Type	TN	S-MVA	AHVA	AHVA	AMVA
Viewing angle (v/h)	160°/170°	178°/178°	178°/178°	178°/178°	178°/178°
Resolution	UHD 3840x2160	UHD 3840x2160	UHD 3840x2160	UHD 3840x2160	UHD 3840x2160
Input	V-by-One (8-lanes)	V-by-One (8-lanes)	eDP (8-lanes)	eDP (8-lanes)	V-By-One (16-lanes)
BLU/Converter integrated	LED/NO	LED/YES	LED/NO	LED/NO	LED/YES
Brightness (cd/m ²)	300	350	300	350	500
Temperature operating (°C)	0...+50	0...+50	0...+50	0...+50	0...+50

*Plug-and-play kit solutions with Prisma-4K TFT controller board available.



4K TFT-Display for Medical Applications

Coming soon:

Panel	G320ZAN01.0*
Manufacturer	AUO
Size	32"
Type	AHVA
Viewing angle (v/h)	178°/178°
Resolution	UHD 3840x2160
Input	V-by-One (8-lanes)
BLU/Converter integrated	LED/YES
Brightness (cd/m²)	700
Temperature operating (°C)	0...+50

Features of AUO medical-grade displays

- AHVA (Advanced Hyper Viewing Angle) of 178°/178° is needed for diagnostic displays
- NTSC > 95%
- Tough outgoing quality control flow
- Competitive price
- Long term availability of min. five years
- Perfect for radiology, surgery and control rooms

*Plug-and-play kit solutions with Prisma-4K TFT controller board available.



TFT Controller Prisma-4K

Prisma-4K is a powerful controller board for TFT displays with UHD resolution. It controls 10 bit 8-lane V-by-One and 4-lane eDP TFT displays up to a resolution of 4096x2160@60 Hz.

Prisma-4K features the following inputs:

- RGB analog (VGA),
- HDMI2.0
- HDMI1.4/MHL2.1
- Dual DVI
- DP1.2



Special features:

- 2x8W (8Ω) stereo speaker output
- Brightness control via PWM
- Powerful Picture-in-picture (PIP) and Picture-by-Picture (PbP) functionalities with up to 4 windows with 4 different sources
- 12-bit color processing engine
- supports programmable 14-bit gamma CLUT
- auto detection for all the input ports
- image position/color auto calibration

Options:

- OSD Keypad and IR remote control / UART, I²C

Our company network supports you worldwide with offices in Germany, Great Britain, the USA and Turkey.

For more information please contact:

Distec GmbH

Augsburger Str. 2b
82110 Germering

Germany

Phone: +49 (0)89 / 89 43 63-0
Fax: +49 (0)89 / 89 43 63-131
E-Mail: info@datadisplay-group.de
Internet: www.datadisplay-group.de

Display Technology Ltd.

5 The Oaks Business Village
Revenge Road, Lordswood
Chatham, Kent, ME5 8LF

United Kingdom

Phone: +44 (0)1634 / 67 27 55
Fax: +44 (0)1634 / 67 27 54
E-Mail: info@displaytechnology.co.uk
Internet: www.datadisplay-group.co.uk

Apollo Display Technologies, Corp.

87 Raynor Avenue, Unit 1
Ronkonkoma, NY 11779

United States of America

Phone: +1 631 / 580-43 60
Fax: +1 631 / 580-43 70
E-Mail: info@apolloDisplays.com
Internet: www.apolloDisplays.com



FORTEC Elektronik AG

Lechwiesenstr. 9
86899 Landsberg am Lech

Germany

Phone: +49 (0)8191 / 911 72-0
Fax: +49 (0)8191 / 217 70
E-Mail: sales@fortecag.de
Internet: www.fortecag.de

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Sales Partner:

**DATA DISPLAY BİLİŞİM TEKNOLOJİLERİ
İÇ VE DIŞ TİCARET LİMİTED ŞİRKETİ**

Barbaros Mh Ak Zambak Sk A Blok D:143
TR-34376 Ataşehir/İstanbul

Turkey

Phone: +90 (0)216 / 688 04 68
Fax: +90 (0)216 / 688 04 69
E-Mail: info@data-display.com.tr
Internet: www.data-display.com.tr

your specialist for flat screen solutions