

# 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

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## Coming soon:

Panel	<a href="#">M280DGJ-L30*</a>	<a href="#">S400DJ1-KS5*</a>	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 <sup>2</sup> )	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:

<b>Panel</b>	<b>G320ZAN01.0*</b>
<b>Manufacturer</b>	AUO
<b>Size</b>	32"
<b>Type</b>	AHVA
<b>Viewing angle (v/h)</b>	178°/178°
<b>Resolution</b>	UHD 3840x2160
<b>Input</b>	V-by-One (8-lanes)
<b>BLU/Converter integrated</b>	LED/YES
<b>Brightness (cd/m<sup>2</sup>)</b>	700
<b>Temperature operating (°C)</b>	0...+50

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

## 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



# 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, I<sup>2</sup>C

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

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