

AUO

AUO Display+

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**TARTAN**

Unique, Flexible, and Reliable

TARTAN Displays



Native
Photomask



Customized
Sizes



High
Reliability



Installation
Flexibility



Long Operational
Hours



Wide
Temperature

The AUO Display Plus TARTAN series displays, which are manufactured in "Native" shapes and sizes, provide high reliability and industrial-grade features for harsh environments. The distinct stretched, square, and round displays are specifically designed to accommodate a variety of application spaces and flexible installations. The design possibilities with TARTAN are limitless.



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AUO Display Plus Leads in Non-Standard Displays

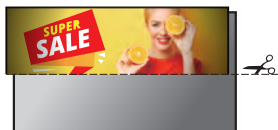
TARTAN displays utilize photomask manufacturing processes which assure enhanced performance and high reliability. TARTAN displays offer industrial-grade performance to support long lasting, demanding operations, including transportation, store front, and entertainment venues.

A Distinctive Look and Installation Flexibility

TARTAN displays accommodate different application spaces and installation flexibility, which allows them to be placed at station platforms and in train cabins to display transportation information and advertisements, or in retail stores and restaurants to broadcast product and discount information. The new form factor displays yield better effectiveness in space usage, and foster an experiential viewing experience.



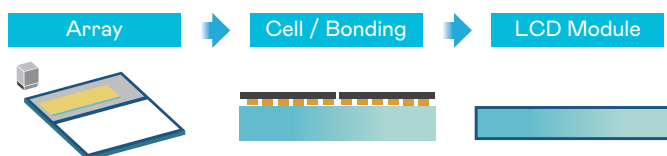
Conventional Cutting



TARTAN



Native photomask production

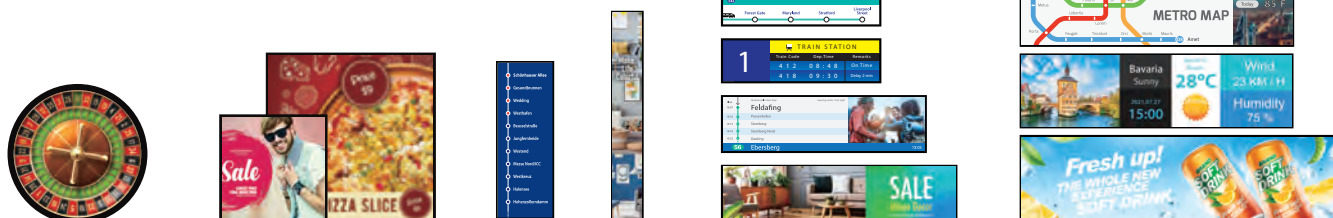


Manufactured with "Native" Shape and Size

Different from general stretched displays cut from 16:9 LCD panels, TARTAN displays are manufactured with a "native" shape and size in mind. TARTAN display technology uses native photomask manufacturing processes that maintain high quality and stability, as well as being customizable in size to meet specific customer requirements.

Customization for Diverse Applications

The round, square, and stretched displays in the TARTAN series come in a range of standard sizes. Stretched displays have wide aspect ratios, which makes them ideal for advertising and scheduling displays in transportation hubs, shops, and restaurants. For retail stores and QSRs with limited space, square displays make it easier to design high-impact digital content into visual layouts. Round displays are ideal for casino promotions and attractors since they provide eye-catching images to branding signs.



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Industrial-grade Features for Harsh Environments

The TARTAN series employs high temperature liquid crystal technology (-40°C - 110°C), allowing it to operate in direct sunlight for extended periods without developing black spots on the display surface. Brightness options of up to 2,500 nits are available for delivering clear, vivid images in direct sunlight. Thanks to the use of circular polarizer technology with a low reflection design, images remain sharp and clear even when viewed through sunglasses.

High Standard LCD Production

Ensured product longevity and high quality performance.

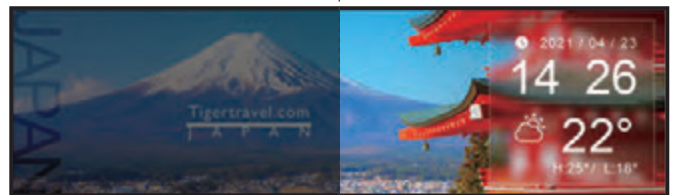


Conventional

AUO Display Plus

High Brightness Design

Clear visibility under direct sunlight.



Conventional

AUO Display Plus

Circular Polarizer Technology

Sharp and clear images when viewed through sunglasses.



Conventional

AUO Display Plus

Low Power Consumption

Saves up to 30% of electricity.



Conventional

AUO Display Plus

TARTAN Signage – A Display System Solution



Diverse AV Interfaces



Native Photomask



Customized Sizes



High Reliability



Long Operational Hours



Wide Temperature

In addition to TARTAN panels for equipment manufacturers, AUO Display Plus offers the TARTAN Signage series for applications requiring display systems. The TARTAN Signage series, which is available in round and stretched sizes, includes I/O ports for connecting popular video interfaces like HDMI, DisplayPort, and others. These systems can run continuously 24 hours a day, seven days a week, with high reliability and outstanding industrial-grade performance.

The TARTAN Signage series is customizable in size, signage specifications, certification, and safety to meet the needs of a wide range of market applications.



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Enhance Your Customer's Journey with TARTAN

The distinctive displays are inherently eye-catching and can be used in a wide variety of ways. From retail to entertainment, indoors or outdoors, the new form factor displays are uniquely suited to foster an experiential viewing experience. AUO Display Plus can also provide customers with customized shapes and sizes for truly distinctive requirements.

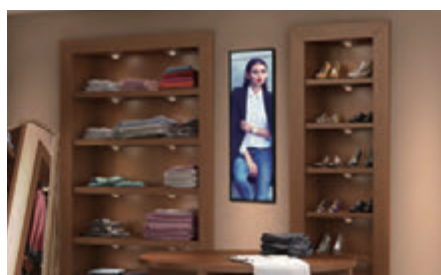
Transportation

Real-time schedule and information displays for railway, subway, bus, taxi and airport



Retail

Shop interiors, counter displays, shelf displays, store signage and promotional displays



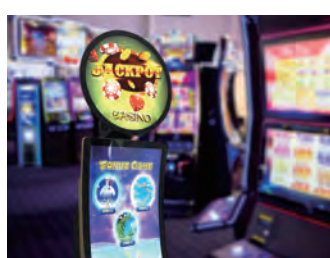
Restaurant

Menu boards, shelf displays, counter displays, store signage and menu boards



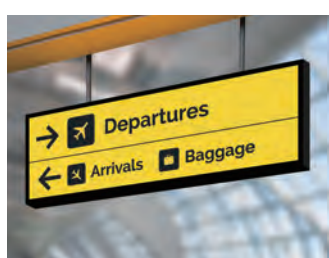
Entertainment

Slot machine, pachinko and arcade games



Public Space

Wayfinding, information and promotion displays



TARTAN Panel Specifications

Stretched Display

FHD

Size	Resolution (pixel)	Active Area (mm)	Brightness (nit)	Contrast Ratio	Outline Dimension (mm) (Thickness: front bezel to back bezel)
28"	1920 x 360	698.4 x 130.9	700	4000 : 1	722.2 x 154.75 x 10.8
28.6"	1920 x 540	698.4 x 196.4	700	4000 : 1	722.2 x 220.2 x 10.8
29.4"	1920 x 720	698.4 x 261.9	700	4000 : 1	722.2 x 285.7 x 10.8
36.6"	1920 x 290	919.3 x 138.9	700	4000 : 1	951.3 x 170.8 x 18.3
37"	1920 x 540	904.2 x 254.3	2500 / 1500 / 700	4000 : 1	923.3 x 277.1 x 10.6
42"	1920 x 480	1039.6 x 259.9	2500 / 1500 / 700	4000 : 1	1059.5 x 283.3 x 27.2
48.3"	1920 x 320	1209.6 x 201.6	700	4000 : 1	1232.4 x 224.4 x 10.7
48.5"	1920 x 360	1209.6 x 226.8	700	4000 : 1	1232.4 x 249.6 x 16.2
49.5"	1920 x 540	1209.6 x 340.2	2500 / 1500	4000 : 1	1237.4 x 368 x 10.7

UHD

Size	Resolution (pixel)	Active Area (mm)	Brightness (nit)	Contrast Ratio	Outline Dimension (mm) (Thickness: front bezel to back bezel)
43"	3840 x 720	1073.8 x 201.1	700	4000 : 1	1096.6 x 211.7 x 25.1
43.9"	3840 x 1080	1073.8 x 302.0	700	4000 : 1	1096.58 x 324.8 x 24.79
56.6"	3840 x 430	1428.48 x 159.96	700	4000 : 1	1451.28 x 182.76 x 10.7
58.4"	3840 x 1080	1428.48 x 401.76	700	4000 : 1	1451.28 x 429.56 x 10.7

WUHD

Size	Resolution (pixel)	Active Area (mm)	Brightness (nit)	Contrast Ratio	Outline Dimension (mm) (Thickness: front bezel to back bezel)
58.6"	5120 x 1440	1431.7 x 402.7	700	4000 : 1	1459.51 x 430.47 x 27

Square Display

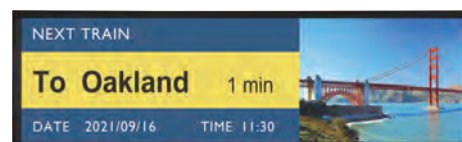
Size	Resolution (pixel)	Active Area (mm)	Brightness (nit)	Contrast Ratio	Outline Dimension (mm) (Thickness: front bezel to back bezel)
28.1"	800 x 800	504 x 504	700	4000 : 1	526.8 x 526.8 x 10.7
35.3"	1600 x 1800	595 x 670	500	4000 : 1	618.2 x 692.4 x 25.1
44.9"	1280 x 1280	806 x 806	700	4000 : 1	829.2 x 829.2 x 10.7

Round Display

Size	Resolution (pixel)	Active Area (mm)	Brightness (nit)	Contrast Ratio	Outline Dimension (mm) (Thickness: front bezel to back bezel)
23.6"	848 x 848	600 x 600	700	4000 : 1	663.7 x 663.7 x 13.3



TARTAN Signage Specifications



Stretched Display

Product		SN2901	SN3701	SN3702	SN5801
Panel	Size	28.6"	37"	37"	58.4"
	Resolution	1920 x 540	1920 x 540	1920 x 540	3840 x 1080
	Brightness	700 nits	700 nits	1500 nits	700 nits
	Contrast Ratio	4000 : 1 (typ.)	4000 : 1 (typ.)	4000 : 1 (typ.)	4000 : 1 (typ.)
	Color Depth	8bits, 16.7M	8bits+FRC, 1.07G	8bits+FRC, 1.07G	8bits+FRC, 1.07G
	Frame Rate	60Hz	60Hz	60Hz	60Hz
	Active Display Area (mm)	698.4 x 196.4	904.32 x 254.34	904.32 x 254.34	1428.48 x 401.76
	Backlight Type	Edge Type LED			
Connectivity	Inputs	HDMI 1.4 x 2, DP x 1, RS232 x 1, IR x1, USB 2.0 x 1	HDMI 1.4 x 2, DP x 1, RS232 x 1, IR x1, USB 2.0 x 1	HDMI 1.4 x 2, DP x 1, RS232 x 1, IR x1, USB 2.0 x 1	HDMI 1.4/2.0 x 2, VGA(D-Sub) x 1, RS232 x 1, RJ -45 x 1, AUDIO x 1, USB2.0 x 1, Coaxial x 1
	Outputs	HDMI 1.4 x 1, RS232 x 1, IR x 1, Audio x 1	HDMI 1.4 x 1, RS232 x 1, IR x 1, Audio x 1	HDMI 1.4 x 1, RS232 x 1, IR x 1, Audio x 1	Audio x 1
Sound	Speaker	N/A	N/A	N/A	8W + 8W
Power	Power Supply	AC 100V - 240V, 50-60Hz, 0.6A	AC 100V - 240V, 50-60Hz, 0.75A	AC 100V - 240V, 50-60Hz, 1A	AC 100V - 240V, 50-60Hz, 1.25A
	Power Consumption	Max. 60W * Typ. 40W *	Max. 80W * Typ. 60W *	Max. 100W * Typ. 80W *	Max. 160W Typ. 125W
	Standby Mode	1W*	1W*	1W*	≤0.5W
Operation	Storage	Temperature	-20℃ – 60 ℃	-20℃ – 60 ℃	-20℃ – 60 ℃
		Humidity	10% – 60% (without condensation)	10% – 60% (without condensation)	10% – 80% (without condensation)
	Operating	Temperature	-20℃ – 50 ℃	-20℃ – 50 ℃	-20℃ – 50 ℃
		Humidity	10% - 90% (without condensation)	10% - 90% (without condensation)	10% - 80% (without condensation)
	Operation Hours		24 hours / 7 days		
	Orientation		Landscape / Portrait		
	Set Dimension (mm)		726 x 224 x 82	927.6 x 280.9 x 82	927.6 x 280.9 x 82
	Packing Dimension (mm)		826 x 260 x 315	1025 x 260 x 375	1025 x 260 x 375
Mechanical	Net Weight (Kg)		9.1*	12.5*	12.5*
	Gross Weight (Kg)		14*	17.5*	17.5*
	VESA Mount		180 x 140	400 x 200	400 x 200
	Daisy Chain (HDMI, IR, RS232)		Supported	Supported	Supported
					N/A



TARTAN Signage Specifications



Round Display

Product		RN2401	RN2402
Panel	Size	24"	24"
	Resolution	848 x 848	848 x 848
	Brightness	700 nits	600 nits
	Contrast Ratio	4000:1 (typ.)	4000:1 (typ.)
	Color Depth	8bits +FRC, 1.07G	8bits +FRC, 1.07G
	Frame Rate	60Hz	60Hz
	Active Display Area (mm)	600.38 (Diameter)	600.38 (Diameter)
	Backlight Type	E-LED	E-LED
Connectivity	Inputs	VGA x 1, DP1.2 x 1, HDMI 1.4a x 1, Audio x 1, RS232 x 1	
	Outputs	Speaker x 2	
Sound	Speaker	3W+3W	
Power	Power Supply	AC 100~240V	
	Power Consumption	Max. 90W	
	Standby Mode	≤0.5W	
Operation	Storage	Temperature	-20 °C – 60 °C
		Humidity	20% - 80% (without condensation)
	Operating	Temperature	0°C – 40 °C
		Humidity	10% - 80% (without condensation)
	Operation Hours		24 hours / 7 days
	Orientation		Landscape / Portrait
Mechanical	Set Dimension (mm)	663 (Diameter) x 32.5 (Depth)	692.6 (Diameter) x 36.2 (Depth)
	Packing Dimension (mm)	930 x 960 x 180	930 x 960 x 180
	Net Weight (Kg)	8.8	12.9
	Gross Weight (Kg)	13	17
	VESA Mount	200 x 200	200 x 200

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