DynaScan

PREMIUM VISUAL SOLUTIONS

BRIGHTER
BY DESIGN

ABOUT
DYNASCAN

**MANUFACTURING SUPERIOR
PROFESSIONAL DISPLAYS SINCE 1998**

DynaScan is a leading brand of professional LCD and LED displays. World-renowned for our high brightness displays, we continuously expand our portfolio with new products, solutions, and features. With offices in Asia, Europe and North America, we are uniquely equipped for international rollouts and client support.

INDOOR

With installations around the world, DynaScan displays are a proven solution for high ambient light applications. With brightness ratings as high as 6000 nits, DynaScan ultra-high brightness LCDs shine bright in direct sunlight—making them an ideal solution for window-facing applications, semi-outdoor, and brightly lit indoor environments.

ULTRA-HIGH BRIGHTNESS DISPLAYS

As the first to produce a professional LCD specifically designed for use in direct sunlight, DynaScan continues to be the proven solution for high ambient light environments.

With brightness ratings as high as 6000 nits, DynaScan ultra-high brightness LCDs are among the brightest in the world, allowing them to shine bright in direct sunlight and are ideal for enclosures, kiosks, and window-facing applications.

Brightness doesn't come at a sacrifice of color quality. Every screen is TrueColor™ calibrated to ensure superb color quality and uniformity.

Not only are DynaScan UHB displays the brightest in the world, but with the lowest watt per nit ratings in the industry, they are also among the most power-efficient. DynaScan offers the widest variety of sizes models ranging from 32" to 86", and in brightness levels ranging from 2500 to 6000 nits.

DynaScan

INDUSTRY TREND

Retailers are fighting to stand out from other stores with rapidly adapting and engaging messages that can only be accomplished in a digital medium. Within the time it takes to design, print, ship, and install a printed poster, the messaging needs could have easily changed.

High brightness displays are a necessity for window-facing digital signage; displays are competing against the reflection on the glass and the brightness of direct sunlight. Not only does DynaScan manufacture displays to overcome these challenges, but we've also designed them to accurately reproduce brand colors, skin tones, and colorways.

KEY FEATURE

A WIDE VARIETY OF SIZES AND STYLES

One size does not fit all applications. DynaScan is the only manufacturer in the industry to offer a full range of high brightness LCDs ranging from 32" to 86" in standard and narrow bezel styles.

KEY FEATURE

THE BRIGHTEST IN THE WORLD

DynaScan ultra-high brightness LCDs with maximum brightness ratings up to 6000 nits, which can easily be viewed in direct sunlight, such as storefront windows or outdoor enclosures without interference of glare from surrounding glass and reflections.

TRUECOLOR™ CALIBRATED

Every screen is factory calibrated to D65 (6500K) CIE color standard. This color setting produces a natural looking image which has a correlated color temperature to that of daylight.

BRIGHTNESS & COLOR GUARANTEED

All DynaScan high brightness LCDs are guaranteed to produce a bright, vivid image with a brightness and color degradation of no more than 9% over 5 year of continuous use.

INTELLIGENT THERMAL MANAGEMENT

Heat generated by the display is radiated away from high temperature areas while a sensor continuously monitors the internal temperature to protect the system from overheating.

KEY FEATURE

STOREFRONT WINDOW DISPLAYS

Digital media is only effective if viewers are able to see it. DynaScan high brightness professional LCDs are a perfect solution for indoor environments that receive a high amount of ambient light such as storefront windows. To prevent blackening defect, DynaScan utilizes high-TNi LCD panels which can withstand temperatures up to 110°C (230°F).

LOCAL DIMMING BACKLIGHT

The display features a proprietary local dimming LED back light technique for a remarkably high contrast picture. With direct local dimming, darker areas of an image receive less backlighting than lighter areas.

BLACKENING DEFECT FREE

DynaScan offers all high brightness screens with high temperature LCD panels which can withstand temperatures up to 110°C (230°F) without blackening. This is especially crucial for direct sunlight applications.

PROFESSIONAL USE

Designed for worry-free 24/7 operation in both portrait and landscape orientations

SMALL

DS323LT4

SIZE
32″

BRIGHTNESS
2500 nits

RESOLUTION
1920 x 1080

The DS323LT4 is a 32-inch professional high brightness LCD. With a brightness rating of 2500 nits, this display features an LED back light for high contrast picture quality and low power consumption.

DS371BT4

SIZE
37″

BRIGHTNESS
3000 nits

RESOLUTION
1920 x 540

The DS371BT4 is a 37.5-inch high brightness stretched professional LCD. With a stretched 32:9 aspect ratio, the DS371BT4 is designed for special applications where height is limited.

DS431LT4

SIZE
43″

BRIGHTNESS
2500 nits

RESOLUTION
1920 x 1080

The DS431LT4 is a 43-inch professional high brightness LCD with a 2500 nit brightness rating and 8.7 mm even bezel.

MONITOR DIMENSION

32″

37″

43″
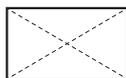
DS323LT4
719.6 x 415.7 x 76.6 mm
28.33 x 16.37 x 3.02 inch
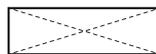
DS371BT4
914.9 x 280.8 x 51.5 mm
36.02 x 11.05 x 2.03 inch
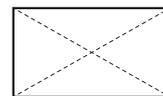
DS431LT4
962.1 x 552.0 x 77.4 mm
37.88 x 21.73 x 3.05 inch

MEDIUM

DS491LT5

SIZE
49″

BRIGHTNESS
4000 nits

RESOLUTION
1920 x 1080

The DS491LT5 is a full HD 49-inch high brightness LCD featuring fanless cooling technology. Integrated Android™ Media Player or optional Intel® SDM slot.

DS552LT5-1

SIZE
55″

BRIGHTNESS
4000 nits

RESOLUTION
1920 x 1080

The DS552LT5-1 is a 55-inch high brightness professional LCD with fanless cooling. Integrated Android™ Media Player.

DS552LT6-2

SIZE
55″

BRIGHTNESS
6000 nits

RESOLUTION
1920 x 1080
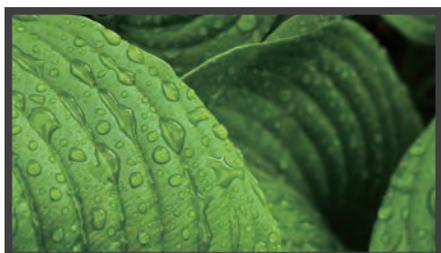

The DS552LT6-2 is a 55-inch high brightness professional LCD with IPS technology. Integrated Android™ Media Player or optional Intel® SDM slot.

MONITOR DIMENSION

49″

55″

55″
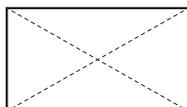
DS491LT5
1096.7 x 627.2 x 82.3 mm
43.18 x 24.69 x 3.24 inch
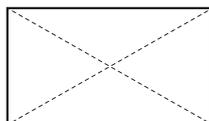
DS552LT5-1
1239.4 x 710.0 x 87.7 mm
48.80 x 27.95 x 3.45 inch
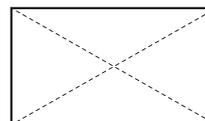
DS552LT6-2
1239.4 x 710.0 x 87.7 mm
48.80 x 27.95 x 3.45 inch

LARGE

DS653LT5

SIZE
65"

BRIGHTNESS
4000 nits

RESOLUTION
1920 x 1080

The DS653LT5 is a 65-inch professional ultra-high brightness (UHB) LCD with a maximum brightness rating of 4000 nits.

DS752LT5

SIZE
75"

BRIGHTNESS
4500 nits

RESOLUTION
3840 x 2160

The DS752LT5 is an ultra HD 75-inch high brightness LCD featuring an LED backlight producing a 4500 nit sunlight viewable image.

DS861LR4

SIZE
86"

BRIGHTNESS
3500 nits

RESOLUTION
3840 x 2160

The largest model in the DS series, measuring 86-inches diagonally, the display features a 4K UHD 86-inch LCD with a high brightness LED backlight producing a 3500 nit sunlight-viewable image.

MONITOR DIMENSION

65"

75"

86"

180cm

165cm
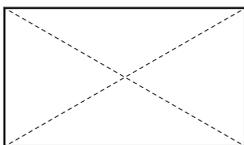
DS653LT5
1456.7 x 829.7 x 89.6 mm
57.35 x 32.64 x 3.53 inch
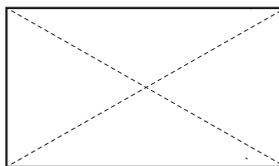
DS752LT5
1688 x 967.5 x 93.6 mm
66.45 x 38.09 x 3.69 inch
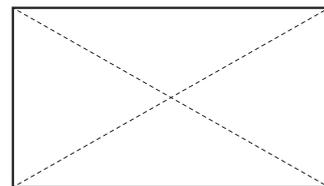
DS861LR4
1935.8 x 1106.8 x 79.0 mm
76.21 x 43.57 x 3.11 inch

SPECIFICATIONS

		DS323LT4	DS371BT4	DS431LT4
PANEL	LCD Panel Size	31.55"	37"	42.5"
	Native Resolution	1920 x 1080	1920 x 540	1920 x 1080
	Brightness	2500 nits	3000 nits	2500 nits
	Color Depth	10 bits	8 bits	8 bits
	Contrast Ratio	1300 : 1	4000 : 1	4000 : 1
	Response Time (Typ.)	9 ms	16 ms	8 ms
	Viewing Angle	178° / 178°	178° / 178°	178° / 178°
	Light Lifetime (Typ.)	100,000 hrs	50,000 hrs	100,000 hrs
	Blackening Defect Free	Up to 110°C (230°F)	Up to 110°C (230°F)	Up to 110°C (230°F)
	Polarized Sunglasses Support	-	-	-
POWER	Power Supply	Internal	Internal	Internal
	Rated Voltage	100-240V ~ 50/60Hz	100-240V ~ 50/60HZ	100-240V ~ 50/60HZ
	Power Consumption (Typ./ Max.)	145 W	95 W / 145 W	220 W
MECHANICAL	Bezel Width (T/B/L/R)	8.7/8.7/8.7/8.7 mm	11.7 / 11.7 / 5.6 / 5.6 mm	8.7 / 8.7 / 8.7 / 8.7 mm
	Monitor Dimension (LxHxD)	719.6 x 415.7 x 76.6 mm	914.9 x 280.8 x 51.5 mm	962.1 x 552.0 x 77.4 mm
	Monitor Weight	9.8 kg	9.0 kg	18 .1kg
	VESA Mounting (LxH)	200 x 200 mm	200 x 100 mm	400 x 200 mm
FEATURE	Language	English	English	English
	Built-in Video Wall Support	-	Up to 15x15	-
	Support SNMP (Up to V3.0)	Yes	Yes	Yes
	Image Retention Protection	Yes	Yes	Yes
	Auto Orientation Sensor	Yes	Yes	Yes
	Ambient Light Sensor	Yes	Yes	Yes
	Power On/Off Scheduling	Yes	Yes	Yes
	OSD Menu Rotation	Yes	Yes	Yes
INPUT	HDMI 1.4b (HDCP 1.4)	-	x1 (1080p)	-
	HDMI 2.1 (HDCP 2.3)	x2 (1080p recommended)	-	x2 (1080p recommended)
	DVI-D	-	x1	-
	DisplayPort	-	x1	-
	USB 2.0	x2	x1 (For Internal Player)	x2
	USB 3.0	-	-	-
	SD Slot	-	x1 (For Internal Player)	-
	Micro SD Slot	-	-	-
	VGA	-	-	-
	Audio	-	-	-
OUTPUT	DVI-D	-	x1	-
	Audio	x1	x1	x1
EXTERNAL CONTROL	RS-232	In x1	In x1, Out x1	In x1
	RJ-45	x1 (LAN)	x1(LAN)	x1(LAN)
INTERNAL PLAYER	Operating System	Android 11.0	Android 4.4.2	Android 11.0
	Processor	Quad-core A53	ARM Quad-Core Cortex-A9	Quad-core A53
	Clock Speed	1.5GHz	1.6 GHz	1.5GHz
	Main Memory Interface	DDR4, 2GB	DDR3L-1066, 1GB	DDR4, 2GB
	Graphics	Mali G52	Mali400MP4 support OpenGL ES1.1/2.0, Open VG1.1	Mali G52
	Wi-Fi Specification	802.11a/b/g/n/ac (2T2R) | 2.4GHz/ 5GHz	802.11 b/g/n | 2412.0MHz - 2462.0MHz	802.11a/b/g/n/ac (2T2R) | 2.4GHz/ 5GHz
ENVIRONMENT	Operating Temperature	0°~ 45° C	0°~ 40° C	0°~ 45° C
	Storage Temperature	-20°~60° C	-20°~60° C	-20°~60° C
	Humidity	10% ~ 80% RH Non-condensing	10% ~ 80% RH Non-condensing	10% ~ 80% RH Non-condensing
CERTIFICATION		CE / FCC / RoHS	CE / FCC / RoHS	CE / FCC / RoHS
ACCESSORIES		Quick Start Guide	Quick Start Guide	Quick Start Guide
		Power Cord	Power Cable	Power Cord
		Remote Control (2 Batteries included)	Remote Control (2 Batteries included)	Remote Control (2 Batteries included)
		IR & Ambient Sensor	IR & Ambient Sensor	IR & Ambient Sensor
		Thermal Sensor Kit 302 (optional)	Thermal Sensor Kit 201 (optional)	Thermal Sensor Kit 302 (optional)

SPECIFICATIONS

		DS491LT5	DS552LT5-1	DS552LT6-2
PANEL	LCD Panel Size	48.5"	54.64"	54.64"
	Native Resolution	1920 x 1080	1920 x 1080	1920 x 1080
	Brightness	4000 nits	4000 nits	6000 nits
	Color Depth	10 bits	8 bits	8 bits
	Contrast Ratio	3000 : 1	3000 : 1	3000 : 1
	Response Time (Typ.)	8 ms	9 ms	9 ms
	Viewing Angle	178° / 178°	178° / 178°	178° / 178°
	Light Lifetime (Typ.)	100,000 hrs	100,000 hrs	100,000 hrs
	Blackening Defect Free	Up to 110°C (230°F)	Up to 110°C (230°F)	Up to 110°C (230°F)
	Polarized Sunglasses Support	Yes	Yes	Yes
POWER	Power Supply	Internal	Internal	Internal
	Rated Voltage	100-240V ~ 50/60HZ	100-240V ~ 50/60HZ	100-240V ~ 50/60HZ
	Power Consumption (Typ./ Max.)	160 W / 240 W	160 W / 260 W	275 W / 400 W (TBC)
MECHANICAL	Bezel Width (T/B/L/R)	8.7 / 8.7 / 8.5 / 8.5 mm	10.9 / 10.9 / 10.9 /10.9 mm	10.9 / 10.9 / 10.9 /10.9 mm
	Monitor Dimension (LxHxD)	1096.7 x 627.2 x 82.3 mm	1239.4 x 710.0 x 87.7 mm	1239.4 x 710.0 x 87.7 mm
	Monitor Weight	19.6kg	27.5 kg	29.5 kg
	VESA Mounting (LxH)	400 x 400 mm	400 x 400 mm	400 x 400 mm
FEATURE	Language	English	English	English
	Built-in Video Wall Support	-	-	-
	Support SNMP (Up to V3.0)	Yes	Yes	Yes
	Image Retention Protection	Yes	Yes	Yes
	Auto Orientation Sensor	Yes	Yes	Yes
	Ambient Light Sensor	Yes	Yes	Yes
	Power On/Off Scheduling	Yes	Yes	Yes
	OSD Menu Rotation	Yes	Yes	Yes
INPUT	HDMI 1.4b (HDCP 1.4)	-	-	-
	HDMI 2.1 (HDCP 2.3)	x2	x2	x2
	DVI-D	-	-	-
	DisplayPort	x1	x1	x1
	USB 2.0	-	-	-
	USB 3.0	x1	x1	x1
	SD Slot	-	-	-
	Micro SD Slot	x1	x1	x1
	VGA	-	-	-
	Audio	-	-	-
OUTPUT	DVI-D	-	-	-
	Audio	x1	x1	x1
EXTERNAL CONTROL	RS-232	x1	x1	x1
	RJ-45	x2 (LAN)	x2 (LAN)	x2 (LAN)
INTERNAL PLAYER	Operating System	Android 8.0.0	Android 8.0.0	Android 8.0.0
	Processor	Dual-core A73 and dual-core A53	Dual-core A73 and dual-core A53	Dual-core A73 and dual-core A53
	Clock Speed	1.5GHz	1.5GHz	1.5GHz
	Main Memory Interface	DDR4, 2G	DDR4, 2G	DDR4, 2G
	Graphics	Quad-core MaliG51	Quad-core MaliG51	Quad-core MaliG51
	Wi-Fi Specification	802.11 b/g/n | 2412.0MHz - 2462.0MHz	802.11 b/g/n | 2412.0MHz - 2462.0MHz	802.11 b/g/n | 2412.0MHz - 2462.0MHz
ENVIRONMENT	Operating Temperature	0°~ 45° C	0°~ 45° C	0°~ 45° C
	Storage Temperature	-20°~60° C	-20°~60° C	-20°~60° C
	Humidity	10% ~ 80% RH Non-condensing	10% ~ 80% RH Non-condensing	10% ~ 80% RH Non-condensing
CERTIFICATION		CE / FCC / RoHS	CE / FCC / RoHS	CE / FCC / RoHS
ACCESSORIES		Quick Start Guide	Quick Start Guide	Quick Start Guide
		Power Cord	Power Cord	Power Cord
		Remote Control (2 Batteries included)	Remote Control (2 Batteries included)	Remote Control (2 Batteries included)
		IR & Ambient Sensor	IR & Ambient Sensor	IR & Ambient Sensor
		Thermal Sensor Kit 302 (optional)	Thermal Sensor Kit 302 (optional)	Thermal Sensor Kit 302 (optional)

SPECIFICATIONS

		DS653LT5	DS752LT5	DS861LR4
PANEL	LCD Panel Size	65"	74.52"	85.6"
	Native Resolution	1920 x 1080	3840 x 2160	3840 x 2160
	Brightness	4,000 nits	4,500 nits	3,500 nits
	Color Depth	10 bits	10 bits	10 bits
	Contrast Ratio	4000 : 1	3000 : 1	3000 : 1
	Response Time (Typ.)	8 ms	8 ms	8 ms
	Viewing Angle	178° / 178°	178° / 178°	178° / 178°
	Light Lifetime (Typ.)	100,000 hrs	100,000 hrs	100,000 hrs
	Blackening Defect Free	Up to 110°C (230°F)	Up to 110°C (230°F)	Up to 110°C (230°F)
	Polarized Sunglasses Support	Yes	Yes	Yes
POWER	Power Supply	Internal	Internal	Internal
	Rated Voltage	100-240V ~ 50/60HZ	100-240V ~ 50/60HZ	100-240V ~ 50/60HZ
	Power Consumption (Typ./ Max.)	255 W / 550 W	420 W / 800 W	750 W / 1300 W
MECHANICAL	Bezel Width (T/B/L/R)	11.8 / 11.8 / 11.8 / 11.8 mm	17.0 / 17.0 / 16.5 / 16.5 mm	17.8 / 17.8 / 17.8 / 17.8 mm
	Monitor Dimension (LxHxD)	1456.7 x 829.7 x 89.6 mm	1688 x 967.5 x 93.6 mm	1935.8 x 1106.8 x 79.0 mm
	Monitor Weight	39.1 kg	58 kg	77 kg
	VESA Mounting (LxH)	400 x 400 mm, 600 x 400 mm	800 x 400 mm	600 x 400 mm
FEATURE	Language	English	English	English
	Built-in Video Wall Support	-	-	-
	Support SNMP (Up to V3.0)	Yes	Yes	Yes
	Image Retention Protection	Yes	Yes	Yes
	Auto Orientation Sensor	Yes	Yes	Yes
	Ambient Light Sensor	Yes	Yes	Yes
	Power On/Off Scheduling	Yes	Yes	Yes
	OSD Menu Rotation	Yes	Yes	Yes
INPUT	HDMI 1.4b (HDCP 1.4)	-	-	-
	HDMI 2.1 (HDCP 2.3)	x2 (1080p recommended)	x2 (2160P)	x2 (2160P)
	DVI-D	-	-	-
	DisplayPort	x1	x1	x1
	USB 2.0	-	-	-
	USB 3.0	x1	x1	x1
	SD Slot	-	-	-
	Micro SD Slot	x1	x1	x1
	VGA	-	-	-
	Audio	-	-	-
OUTPUT	DVI-D	-	-	-
	Audio	x1	x1	x1
EXTERNAL CONTROL	RS-232	In x1	In x1	In x1
	RJ-45	x2 (LAN)	x2 (LAN)	x2 (LAN)
INTERNAL PLAYER	Operating System	Android 8.0.0	Android 8.0.0	Android 8.0.0
	Processor	Dual-core A73 and dual-core A53	Dual-core A73 and dual-core A53	Dual-core A73 and dual-core A53
	Clock Speed	1.5GHz	1.5GHz	1.5GHz
	Main Memory Interface	DDR4, 2G	DDR4, 2G	DDR4, 2G
	Graphics	Quad-core MaliG51	Quad-core MaliG51	Quad-core MaliG51
	Wi-Fi Specification	802.11 b/g/n | 2412.0MHz - 2462.0MHz	802.11 b/g/n | 2412.0MHz - 2462.0MHz	802.11 b/g/n | 2412.0MHz - 2462.0MHz
ENVIRONMENT	Operating Temperature	0°~ 45° C	0°~ 45° C	0°~ 45° C
	Storage Temperature	-20°~60° C	-20°~60° C	-20°~60° C
	Humidity	10% ~ 80% RH Non-condensing	10% ~ 80% RH Non-condensing	10% ~ 80% RH Non-condensing
CERTIFICATION		CE / FCC / RoHS	CE / FCC / RoHS	CE / FCC / RoHS
ACCESSORIES		Quick Start Guide	Quick Start Guide	Quick Start Guide
		Power Cord	Power Cord	Power Cord
		Remote Control (2 Batteries included)	Remote Control (2 Batteries included)	Remote Control (2 Batteries included)
		IR & Ambient Sensor	IR & Ambient Sensor	IR & Ambient Sensor
		Thermal Sensor Kit 202(optional)	Thermal Sensor Kit 302 (optional)	Thermal Sensor Kit 302 (optional)

PRODUCT CATEGORY

INDOOR

With installations around the world, DynaScan displays are a proven solution for high ambient light applications. With brightness ratings as high as 6000 nits, DynaScan ultra-high brightness LCDs shine bright in direct sunlight—making them an ideal solution for window-facing applications, semi-outdoor, and brightly lit indoor environments.

WINDOW-READY DISPLAYS

Building on the success of the DS Series, the DynaScan DW Series offers an all-in-one solution specifically designed for window-facing display applications.

The DW Series offers users a complete display solution with high-end design features such as hidden cable management, portrait and landscape orientations, and versatile mounting options such as ceiling mount and floor stand compatibility.

Features, such as dual-sided display technology, allow store owners to reach customers outside their location with an ultra-bright sunlight-readable image while offering indoor brightness on the reverse for in-store communication.

Every screen is TrueColor™ calibrated to ensure superb color quality and uniformity and features auto-brightness control sensors to automatically dim the display as lighting conditions change.

DynaScan
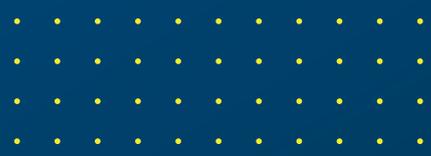
INDUSTRY TREND

Window-facing digital signage is one of the key areas of real estate for store owners, restaurants, and service retailers to communicate with potential customers. Signage has the power to bring customers inside a store, educate customers of current promotions, and in turn increase revenue.

This is exceptionally helpful in industries such as fast fashion—in which styles are changing on a continuous basis—and restaurants, where daily specials and new menu additions can be visually displayed.

DUAL-SIDED DESIGN

A double-sided display offers the flexibility to present different messaging points to customers inside as well as potential customers outside. A sunlight-viewable side shines bright in the window to allow visibilty outdoors, while the reverse side offers reduced brightness for the indoor environment.
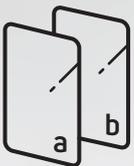
DUAL-SIDED DESIGN

A double-sided display offers the flexibility to present different messaging points to viewers on either side.

BLACKENING DEFECT FREE

DynaScan offers most high brightness screens with high temperature LCD panels which can withstand temperatures up to 110°C (230°F) without blackening. This is especially crucial for direct sunlight applications.
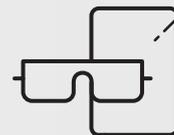
VIEWABLE WITH POLARIZED LENSES

To ensure the image can be clearly seen throughout the day, the display utilizes quarter-wave plate technology to prevent dark images when viewing with polarized sunglasses.

KEY FEATURE

VERSATILE CONFIGURATION

The DW Series is designed to be as versatile as possible—offering a variety of installation configurations in either portrait or landscape orientation. Whether hanging the display from the ceiling or positioning the display on the floor, optional mounting kits offer simple and versatile installation options.

TRUECOLOR™ CALIBRATED

Every screen is factory calibrated to the D65 (6500K) CIE color standard, producing a natural-looking image which has a correlated color temperature to that of daylight.

AUTO BRIGHTNESS CONTROL

Different external lighting conditions require different brightness levels. An onboard light sensor measures the ambient light in the area and automatically adjusts the image accordingly.
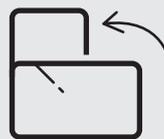
PORTRAIT & LANDSCAPE

The DW Series can be installed in both a landscape or portrait orientation to suit the needs of the application.

DW551DR4

SIZE
55"


BRIGHTNESS
1000/3000 nits

RESOLUTION
1920 x 1080

Dual-sided design, brightness: 3,000 nit front & 1,000 nit rear, blackening defect-free in direct sunlight, two Integrated Android™ media player or optional Intel® SDM slot, 1920×1080 full HD native resolution, all-metal construction.

OPTIONAL KIT | ISK551DR

APPLICABLE MODELS
DW551DR4

DIMENSION (W X H X D)
847 x 799 x 800 mm

LOAD CAPACITY
200 kg
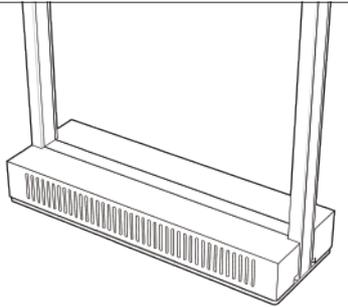
Space for Player | Slim & Sleek Design | Screwless Appearance | Quick Assembly | Concealed Cable Magagement

OPTIONAL KIT | IHK551DR

APPLICABLE MODELS
DW551DR4

LENGTH OF WIRE
300 mm (adjustable)

LOAD CAPACITY
200 kg
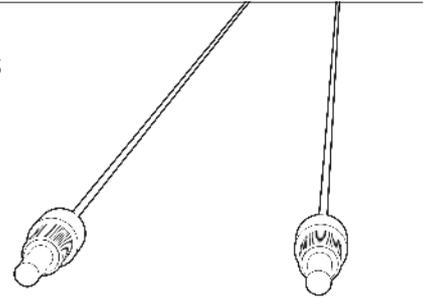
Zero Footprint | Adustable Length | Portrait & Landscape Compatible | Total 200 kg Capacity | Quick Height Adjustment

MONITOR DIMENSION

55"

DW551DR4
1273 x 743 x 62.7 mm
50.1 x 29.3 x 2.5 inch

ISK551DR
847 x 799 x 800 mm
33.4 x 31.5 x 31.5 inch

IHK551DR
Length 300 mm (adjustable)
Length 11.8 inch (adjustable)
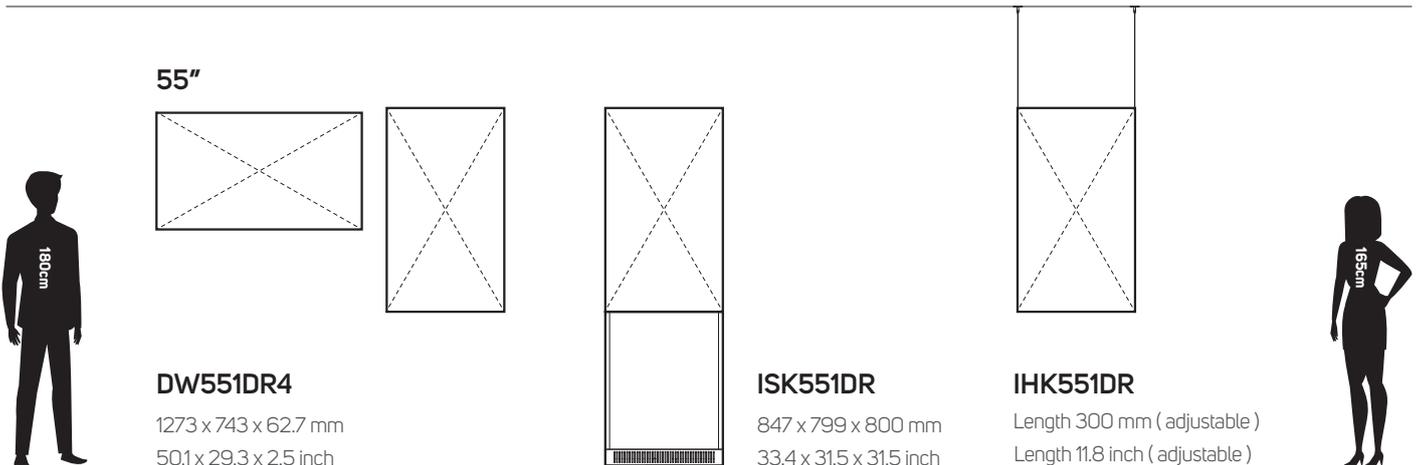
SPECIFICATIONS

DW551DR4

|		
PANEL	LCD Panel Size	54.64" x2
	Native Resolution	1920 x 1080
	Brightness	1000 nits/ 3000 nits
	Color Depth	8 bits
	Contrast Ratio	3000 : 1
	Response Time (Typ.)	9 ms (Typ.)
	Viewing Angle	178° / 178°
	Light Lifetime (Typ.)	100,000 hrs
	Blackening Defect Free	Up to 110°C (230°F)
	Polarized Sunglasses Support	Yes
POWER	Power Supply	Internal
	Rated Voltage	100-240V ~ 50/60HZ
	Power Consumption (Typ./ Max.)	240 W / 380 W
MECHANICAL	Bezel Width (T/B/L/R)	29.5 / 29.5 / 29.5 / 29.5 mm
	Monitor Dimension (LxHxD)	1272.8 x 743.3 x 62.7 mm
	Monitor Weight	40 kg
	VESA Mounting (LxH)	Portrait / Landscape / Portrait Flip
FEATURE	Language	English
	Built-in Video Wall Support	-
	Support SNMP (Up to V3.0)	Yes
	Image Retention Protection	Yes
	Auto Orientation Sensor	Yes
	Ambient Light Sensor	Yes
	Power On/Off Scheduling	Yes
	OSD Menu Rotation	Yes
INPUT	HDMI 1.4b (HDCP 1.4)	x2 (1080p)
	HDMI 2.1 (HDCP 2.3)	-
	DVI-D	x2
	DisplayPort	x2
	USB 2.0	x2 (For Internal Player)
	USB 3.0	-
	SD Slot	-
	Micro SD Slot	x2 (For Internal Player)
	VGA	-
	Audio	-
OUTPUT	DVI-D	-
	Audio	x2
EXTERNAL CONTROL	RS-232	In x2
	RJ-45	x2 (LAN)
INTERNAL PLAYER	Operating System	Android 7.1.2
	Processor	ARM Quad-Core Cortex-A7
	Clock Speed	1.2 GHz
	Main Memory Interface	DDR3L-1066, 1GB
	Graphics	Mali-400MP2 GPU
		Support OpenGL ES1.1/2.0
	Wi-Fi Specification	802.11 b/g/n	2412.0MHz - 2462.0MHz
ENVIRONMENT	Operating Temperature	0°~ 45° C
	Storage Temperature	-20°~60° C
	Humidity	10% ~ 80% RH Non-condensing
CERTIFICATION		CE / FCC / RoHS
ACCESSORIES		Quick Start Guide
		Power Cord
		Remote Control (2 Batteries included)
		IR & Ambient Sensor
		Thermal Sensor Kit 302 (optional)

OUTDOOR

DynaScan outdoor displays offer direct sunlight viewable images with year-round performance in inclement weather. DynaScan outdoor displays are IP-rated for protection from water and dust and feature IK10 vandal resistance for security and safety. The DO Series is designed as a ready-to-use solution for standalone applications while the DK Series offers a complete, robust all-in-one double-sided kiosk solution.

OUTDOOR KIOSK SOLUTIONS

Building on our legacy as a pioneer of sunlight-viewable digital signage displays DynaScan introduces a new line of outdoor digital signage kiosks that have been designed, developed, and manufactured from the ground up for year-round performance in direct sunlight and inclement weather.

Featuring an eye-catching large-format single and dual-sided designs with ultra-high bright images up to 4000 nits, the new DK Series gives advertisers, venue owners, and municipalities the performance to clearly communicate with their audiences.

DynaScan outdoor kiosks are designed with high-performance visibility, security, and versatility in mind. From stadiums to smart cities, DynaScan outdoor kiosks are ideal for a wide variety of applications.

Features like an ultra-high brightness image up to 4000 nits provide an easy-to-see image in direct sunlight, while optional network connectivity gives operators the power to monitor, control, and troubleshoot from virtually anywhere.

DynaScan

INDUSTRY TREND

Outdoor digital signage kiosks offer advertisers opportunities that were simply not previously available with static posters. With the right approach, outdoor digital signage can be an excellent facilitator between the public and city services by providing timely communication about city services, educating communities about local events and news, as well as promoting local businesses.

Digital content can not only change throughout the day or week, but it can even be custom tailored for a variety of environmental factors such as a fast food restaurant promoting ice cream offerings when the temperature exceeds a certain threshold, or a clothing retailer can show the latest outerwear designs in cold weather. Additionally, digital displays can utilize real-time data to analyze campaign performance.

SNOW

RAIN

DUST

IP-RATED WEATHER RESISTANT

Rain or shine, DynaScan outdoor displays can endure what mother nature has to offer. All-metal rustproof construction with IP56 weather protection resists water and dust from entering the display even in some of the harshest environments.

FILTERLESS DESIGN

Filters not only reduce cooling efficiency by lowering air intake, but they can also cause a product failure if not properly maintained. DynaScan employs a proprietary thermal management system that doesn't require filters.
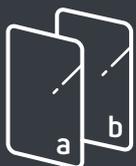
DUAL-SIDED MODELS

A double-sided display offers the flexibility to present different messaging points to viewers on either side.

HIGH BRIGHTNESS SUNLIGHT VIEWABLE IMAGE

With sustained brightness of 4000 nits, DynaScan outdoor kiosk are easily viewed in direct sunlight.
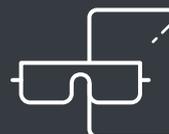
VIEWABLE WITH POLARIZED LENSES

To ensure the image can be clearly seen throughout the day, the display utilizes quarter-wave plate technology to prevent dark images when viewing with polarized sunglasses.

VANDAL RESISTANT IK10 RATED

WIth a tough, steel frame and double laminated glass with IK10 protection, DynaScan outdoor displays are durable and secure.

ROBUST, READY-TO-INSTALL OUTDOOR SOLUTION

With an all-in-one design and a variety of video input options, DynaScan outdoor kiosks offer a feature-packed display solution that is ready for rapid deployment.

100,000

100,000 HRS. BACKLIGHT LIFETIME

Designed for worry-free 24/7 operation for years to come.
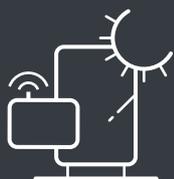
REMOTE OPERATION & CONTROL *

Onboard sensors continuously monitor conditions such as internal temperature, brightness, and power status, providing network operators with vital information about the display's performance.

*Available as an optional add-on

INTELLIGENT THERMAL MANAGEMENT

A hybrid thermal management system of customized dual heat sinks provides constant passive cooling without any power usage at lower temperatures.

DIMENSIONS

DK651DR5

DK751LR5

Unit: mm [inch]

DK651DR5

953.8 [37.55]

804.0 [31.65] Active area

1429.0 [56.26] Active area

2200.0 [86.61]

180cm

65.3 [2.57]   65.3 [2.57]

80.0 [3.15]

65.3 [2.57]

539.0 [21.22]

276.0 [10.87]

833.0 [32.80]

317.4 [12.50]

Ø 25.5 [1.00]

764.7 [30.11]

224.4 [8.83]

292.1 [11.50]

90°   90°

DK751LR5

1338.0 [52.68]

Mount

165cm

1120.0 [44.09]

1338.0 [52.68]

202.0 [7.94]

203.5 [8.01]   203.5 [8.01]   202.0 [7.94]

117.6 [4.63]

931.1 [36.66] (Bezel open)

927.9 [36.53] (Active area)

IR Receiver

1649.7 [64.95] (Active area)

1652.9 [65.07] (Bezel open)

117.6 [4.63]

1962.0 [77.24]

50.0 [1.97]

175.0 [6.89]   170.0 [6.69]

130.0 [5.12]

1004.6 [39.55]

15.0 [0.59]

125.0 [4.92]

32°

22

DIMENSIONS

DK751DR5

Unit: mm [inch]

IR Receiver

1338.0 [52.68]

1962.0 [77.25]

180cm

165cm

1338.0
[52.68]

254.0
[10.00]

203.5
[8.01]

203.5
[8.01]

254.0
[10.00]

117.6
[4.63]

931.1 [36.66]
(Bezel open)

927.9 [36.53]
(Active area)

IR Receiver

1649.7 [64.95] (Active area)

1652.9 [65.07] (Bezel open)

117.6
[4.63]

32°

32°

DIMENSIONS

DK861DR4	DK861LR4

Unit: mm [inch]

DK861DR4

IR Receiver

1338.0 [52.68]

1066.0 [41.97] (Active area)

2170.0 [85.43]

1895.0 [74.61] (Active area)

180cm

169.0 [6.65]

169.0 [6.65]

621.5 [24.47]

716.5 [28.21]

14.0 [0.55]

134.4 [5.29]

134.4 [5.29]

254.0 [10.00]

IR Receiver

16.0 [0.63]

95.2 [3.75]

106.7 [4.20]

8-Ø12.0 [0.47]   7.5 [0.30]

32°   32°

DK861LR4

1338.0 [52.68]

Mount

1120.0 [44.09]

165cm

249.5 [9.82]

303.5 [11.95]

716.5 [28.21]

621.5 [24.47]

134.4 [5.29]

1069.2 [42.09] (Bezel open)

134.4 [5.29]

202.0 [7.95]

IR Receiver

1066.0 [41.97] (Active area)

95.2 [3.75]

2174.0 [85.59]

1895.0 [74.61] (Active area)

106.7 [4.20]

170.0 [6.69]

175.0 [6.89]

130.0 [5.12]

1004.6 [39.55]

125.0 [4.92]

32°

DIMENSIONS

DK861DH4

Unit: mm [inch]

1338.0 [52.68]

IR Receiver

134.4 [5.29]

134.4 [5.29]

95.2 [3.75]

1066.0 [41.97]
(Active area)

2228.0 [87.72]

1895.0 [74.61] (Active area)

106.7 [4.20]

Digital Side

169.0 [6.65]

169.0 [6.65]

621.5 [24.47]

716.5 [28.21]

60.0 [2.36]

95.5 [3.76]

95.5 [3.76]

254.0 [10.00]

14.0 [0.55]

190.0 [7.48]

16.0 [0.63]

1147.0 [45.16]

8-M12

1720.0 [67.72]

190.0 [7.48]

Static Side

170.0 [6.69]

170.0 [6.69]

125.0 [4.92]

1004.6 [39.55]

125.0 [4.92]

8-Ø12.0 [0.47] ▽ 7.5[0.30]

32°

32°

25

SPECIFICATIONS

		DK651DR5	DK751LR5	DK751DR5
DISPLAY	LCD Panel Size	65" (x2)	74.52"	74.52" (x2)
	Native Resolution	1920 x 1080	3840 x 2160	3840 x 2160
	Brightness	4000 nits	4000 nits	4000 nits
	Color Depth	10 bits	10 bits	10 bits
	Contrast Ratio	4000 : 1	3000 : 1	3000 : 1
	Light Lifetime (Typ.)	100,000 hrs	100,000 hrs	100,000 hrs
	Viewing Angle	178° / 178°	178° / 178°	178° / 178°
	Polarized Sunglasses Support	Yes	Yes	Yes
	Orientation	Portrait	Portrait	Portrait
TOUCH (OPTIONAL)	Detection method	Projected Capacitive Touch Technology	Projected Capacitive Touch Technology	Projected Capacitive Touch Technology
	Input method	Finger and gloved finger	Finger and gloved finger	Finger and gloved finger
	Noise Shielding	Yes	Yes	Yes
	Number of simultaneous touches	Max. 40 points	Max. 40 points	Max. 40 points
POWER	Rated Voltage	200-240V ~ 50/60Hz	200-240 V~ 50/60Hz	200-240 V~ 50/60Hz
	Power Consumption (Typ./ Max)	650W / 1600W	470 W / 1100 W	930 W / 2100 W
MECHANICAL SPECS	Cabinet Color	Black	Black	Black
	Kiosk Dimension (LxHxD)	953.8 x 2200 x 317.4 mm	1338.0 x 1962.0 x 202.0 mm	1338.0 x 1962.0 x 254.0 mm
	Kiosk Weight	380 kg	292 kg	< 442 kg (TBD)
	Glass	Double Laminated Tempered	Double Laminated Tempered	Double Laminated Tempered
	Air Vent	Top & Bottom	Top & Bottom	Top & Bottom
	Base	539.0 mm H	50.0 mm H	58.0 mm H
FEATURE	Image Retention Protection	Yes	Yes	Yes
	Ambient Light Sensor	Yes	Yes	Yes
	Power On/Off Scheduling	Yes	Yes	Yes
INPUT	HDMI 2.1 (HDCP 2.3)	x6 (1080p recommended)	x3 (2160p)	x6 (2160p)
	DisplayPort 1.2	x2	x1	x2
	USB 3.0	x2	x1	x2
	Micro SD Slot	x2	x1	x2
ENVIRONMENT	Operating Temperature	-30° C ~ 50° C	-30° C ~ 50° C	-30° C ~ 50° C
	Storage Temperature	-20° C ~ 60° C	-20° C ~ 60° C	-20° C ~ 60° C
	Humidity	10% ~ 100% RH Non-condensing	10% ~ 100% RH Non-condensing	10% ~ 100% RH Non-condensing
	Water and Dust Resistant Design	IP56	IP56	IP56
CERTIFICATION		CE / FCC / RoHS	CE / FCC / IEC60950-22 / RoHS	CE / FCC / IEC60950-22 / RoHS

SPECIFICATIONS

|		DK861LR4	DK861DH4	DK861DR4
DISPLAY	LCD Panel Size	85.6"	85.6"	85.6" (x2)
	Native Resolution	3840 x 2160	3840 x 2160	3840 x 2160
	Brightness	3,500 nits (digital side)	3,500 nits (digital side)	3500 nits
	Color Depth	10 bits	10 bits	10 bits
	Contrast Ratio	3000 : 1	3000 : 1	3000 : 1
	Light Lifetime (Typ.)	100,000 hrs	100,000 hrs	100,000 hrs
	Viewing Angle	178° / 178°	178° / 178°	178° / 178°
	Polarized Sunglasses Support	Yes	Yes	Yes
	Orientation	Portrait	Portrait	Portrait
TOUCH (OPTIONAL)	Detection method	Projected Capacitive Touch Technology	Projected Capacitive Touch Technology	Projected Capacitive Touch Technology
	Input method	Finger and gloved finger	Finger and gloved finger	Finger and gloved finger
	Noise Shielding	Yes	Yes	Yes
	Number of simultaneous touches	Max. 40 points	Max. 40 points	Max. 40 points
POWER	Rated Voltage	200-240V ~ 50/60Hz	200-240V ~ 50/60Hz	200-240 V~ 50/60Hz
	Power Consumption (Typ./ Max)	650 W / 1500 W	720 W / 1500 W	1300 W / 2700 W
MECHANICAL SPECS	Cabinet Color	Black	Black	Black
	Kiosk Dimension (LxHxD)	1338.0 x 2174.0 x 202.0 mm	1338.0 x 2174.0 x 254.0 mm	1338.0 x 2174.0 x 254.0 mm
	Kiosk Weight	325 kg	401 kg (lightbox excluded)	500 kg
	Glass	Double Laminated Tempered	Double Laminated Tempered	Double Laminated Tempered
	Air Vent	Top & Bottom	Top & Bottom	Top & Bottom
	Base	50.0 mm H	58.0 mm H	58.0 mm H
FEATURE	Image Retention Protection	Yes	Yes	Yes
	Ambient Light Sensor	Yes	Yes	Yes
	Power On/Off Scheduling	Yes	Yes	Yes
INPUT	HDMI 2.1 (HDCP 2.3)	x3 (2160p)	x3 (2160p)	x6 (2160p)
	DisplayPort 1.2	x1	x1	x2
	USB 3.0	x1	x1	x2
	Micro SD Slot	x1	x1	x2
ENVIRONMENT	Operating Temperature	-30° C ~ 50° C	-30° C ~ 50° C	-30° C ~ 50° C
	Storage Temperature	-20° C ~ 60° C	-20° C ~ 60° C	-20° C ~ 60° C
	Humidity	10% ~ 100% RH Non-condensing	10% ~ 100% RH Non-condensing	10% ~ 100% RH Non-condensing
	Water and Dust Resistant Design	IP56	IP56	IP56
CERTIFICATION		CE / FCC / IEC60950-22 / RoHS	CE / FCC / IEC60950-22 / RoHS	CE / FCC / IEC60950-22 / RoHS
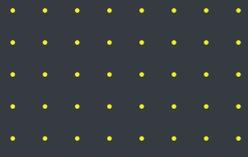
OUTDOOR

DynaScan outdoor displays offer direct sunlight viewable images with year-round performance in inclement weather. DynaScan outdoor displays are IP-rated for protection from water and dust and feature IK10 vandal resistance for security and safety. The DO Series is designed as a ready-to-use solution for standalone applications while the DK Series offers a complete, robust all-in-one double-sided kiosk solution.

OUTDOOR MONITOR

Built to withstand the elements, DynaScan full outdoor LCDs are IP-rated for weather resistance. Featuring ultra-high bright direct sunlight viewable images, IK10 vandal resistance, and impeccable color reproduction, the displays offer unsurpassed security, performance, and visibility.

DynaScan full outdoor displays are available for custom builds and projects offering an all-in-one solution that may be integrated into bus shelters, street furniture, and other enclosures.

DynaScan

INDUSTRY TREND

Outdoor digital signage is no longer a luxury only found in Las Vegas and Times Square. It has increasingly become a popular option as advertisers can display multiple ads and even provide viewers with interactive kiosks to help engage their audience.

Eye-level signage requires high resolution and high bright images, while still being able to withstand inclement weather and vandalism.

From smart cities to advertising to information kiosks to wayfinding, digital signage network operators are turning to digital to give their viewers the information they expect as quickly and easily as possible.

SNOW

RAIN

DUST

KEY FEATURE

IP-RATED WEATHER RESISTANT

Built to withstand the elements, DynaScan outdoor LCDs resist water and dust from entering the display.

TRUECOLOR™ CALIBRATED

Every screen is factory calibrated to D65 (6500K) CIE color standard. This color setting produces a natural looking image which has a correlated color temperature to that of daylight.

LOW POWER CONSUMPTION

DynaScan is the industry leader in producing the most power efficient professional LCDs. With large city-wide rollouts, high power effeciency results in lower cost of ownership, and reducing carbon footprints.

INTELLIGENT PROPRIETARY THERMAL MANAGEMENT

Heat generated by the display is radiated away from high temperature areas while a sensor continuously monitors the internal temperature to protect the system from overheating.

KEY FEATURE

VANDAL RESISTANT IK10 RATED

DynaScan outdoor displays are vandal resistant IK10 rated, providing one of the highest degree of mechanical protection defined by EN 50102 standard.
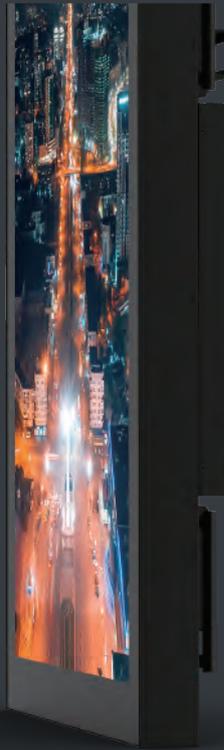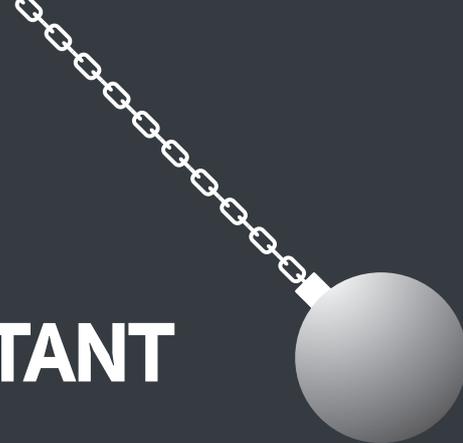
KEY FEATURE

LIGHT POLLUTION CONTROL

Advanced onboard light sensors automatically adjust the image to reduce light pollution by preventing over-illumination, glare, light clutter, and harmful blue light, all without degrading image quality.

PORTRAIT & LANDSCAPE

Users can install the DO Series in both a landscape or portrait configuration to suit environmental and usage needs.

TOTAL CONTROL TECHNOLOGY

Onboard sensors continuously monitor conditions such as internal temperature, brightness, and power status, providing network operators vital information of the display's performance.

SUNLIGHT VIEWABLE IMAGE

With brightness ratings ≥ 2500 nits, DynaScan outdoor LCDs can easily be viewed in direct sunlight applications, such as building exteriors, drive-thru menu boards, and outdoor kiosks.

SPECIFICATIONS

DO861LR4

SIZE
86"

BRIGHTNESS
3500 nits

RESOLUTION
3840 x 2160
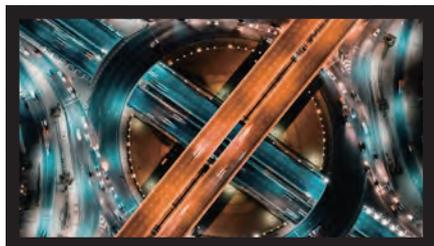
The DO861LR4 is a 86-inch ultra-high brightness outdoor display with a brightness rating of 3500 nits.

PANEL		
	LCD Panel Size	85.6"
	Native Resolution	3840 x 2160
	Brightness	3500 nits
	Color Depth	10 bits
	Contrast Ratio	3000 : 1
	Response Time (Typ.)	8 ms
	Viewing Angle	178° / 178°
	Light Lifetime (Typ.)	100,000 hrs
	Blackening Defect Free	Up to 110°C (230°F)
	Polarized Sunglasses Support	Yes
	Portrait/Landscape Capability	Yes

POWER		
	Power Supply	Internal
	Rated Voltage	220-240V ~ 50/60HZ
	Power Consumption (Typ./ Max.)	860 W / 1500 W (TBC)

MECHANICAL		
	Bezel Width (T/B/L/R)	68 / 68 / 68 / 68 mm
	Monitor Dimension (LxHxD)	2035.0 x 1205.0 x 155.0 mm
	Monitor Weight	222 kg
	VESA Mounting (LxH)	1500 x 440 ; 1500 x 500 mm

FEATURE		
	Language	English
	Built-in Video Wall Support	-
	Support SNMP (Up to V3.0)	Yes
	Image Retention Protection	Yes
	Auto Orientation Sensor	Yes
	Ambient Light Sensor	Yes
	Power On/Off Scheduling	Yes
	OSD Menu Rotation	Yes

INPUT		
	HDMI 1.4b (HDCP 1.4)	-
	HDMI 2.1 (HDCP 2.3)	x2 (2160p)
	DVI-D	
	DisplayPort	x1
	USB 2.0	-
	USB 3.0	x1
	SD Slot	-
	Micro SD Slot	x1
	VGA	-
	Audio	-

OUTPUT		
	DVI-D	-
	Audio	x1

EXTERNAL CONTROL		
	RS-232	In x1
	RJ-45	x2 (LAN)

INTERNAL PLAYER		
	Operating System	Android 8.0.0
	Processor	Dual-core A73 and dual-core A53
	Clock Speed	1.5GHz
	Main Memory Interface	DDR4, 2G
	Graphics	Quad-core MaliG51
	Wi-Fi Specification	-

ENVIRONMENT		
	Operating Temperature	-30°~50° C
	Storage Temperature	-20°~60° C
	Humidity	10% ~ 100% RH Non-condensing
	Water and Dust resistant design	IP56

CERTIFICATION		
		CE / FCC / RoHS

MONITOR DIMENSION

86"

180cm

165cm

DO861LR4

2034.0 x 1204.9 x 154.7 mm
80.08 x 47.44 x 6.09 inch
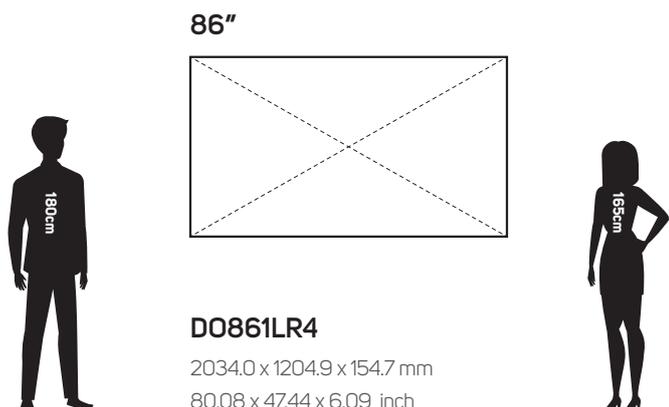
WORLDWIDE OFFICES

With offices in Europe, North America, and Asia,
DynaScan is equipped for international rollouts and support.

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DynaScan

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