

DynaScan **360°** LED Video Displays

360°



DynaScan
360° LED Video Displays





| 360° LED video display | model DS0616

DynaScan is a world-leading manufacturer of innovative display solutions. Drawing on a long tradition of R & D (research and development), in addition to engineering excellence, *DynaScan* has been able to break through past limitations.

DynaScan's portfolio of award-winning displays includes indoor and outdoor models as well as customized screens for special applications. Founded in 1998 and based in Taiwan, *DynaScan* operates offices in USA, China, Japan and Europe.

DynaScan's 360° LED video displays are versatile and will add maximum impact in a wide variety of venues such as retail stores, airports, shopping malls, nightclubs, corporate lobbies, exhibition venues, restaurants, movie theaters and more.

DynaScan Technology Inc. is dedicated to designing and developing LED-based (Light-Emitting Diode) digital signage solutions to support clients in numerous industries. Unlike ordinary LED displays, DynaScan 360° LED displays are cylindrical, allowing viewing from all angles, helping to ensure your message is clearly seen by your target audience.

With 360 degrees of usable display space, *DynaScan* displays offer an attractive, high contrast, high bright, and high resolution alternative to conventional two dimensional displays.

With no burn-in, lower power consumption, and a lifespan over 50% longer than that of plasma and LCD screens, LED technology has proven itself to be a practical long-term solution for digital signage.

DynaScan manufactures its displays using the finest LEDs available to ensure the picture yields the brightest, most color-rich quality possible.

technology



SPINNING LEDs

DynaScan delivers perfect image quality with high brightness and resolution.

DynaScan incorporates its proprietary technology, the spinning LEDs Technology, to create unparalleled image quality. The core structure consists of a drum incorporating several LED modules. As the drum spins, the system controls the lighting of each pixel at a precise location within 1/100th degree accuracy. The result is a perfect image quality with unsurpassed

REAL COLOR PIXEL

Traditionally, the Red, Green and Blue primary color components are placed side-by-side to create an RGB pixel. With our solution, the Red, Green and Blue are turned on at the same exact spot yielding a crisp and sharp image visible from any distance.

ULTIMATE COLOR UNIFORMITY

The color uniformity is consistent and accurate within $\pm 3\%$.



DS 0616



DS 0808



DS 1508



DS 2012

indoor series



DS 0706



DS 1016



DS 1713



DS 3522

DS3522 not shown to scale

outdoor series

[illegible]

indoor series



| 360° LED video display | model [DS0808](#)

MODEL **DS0808** [INDOOR]

Pixel pitch (horz. × vert.)

Display size (width × height)

Display area

Native resolution (horz. × vert.)

Pixel density

Luminance (minimum)

Uniformity

Contrast ratio

Color spectrum

Rated lifetime to ½ brightness

Physical dimensions (dia. × height)

Weight

Operating temperature

Power requirement

Power consumption (typical)

Video interface

Refresh rate

Built-in speakers

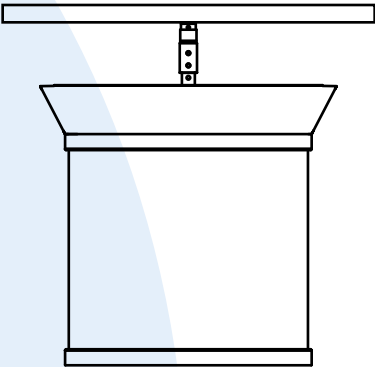
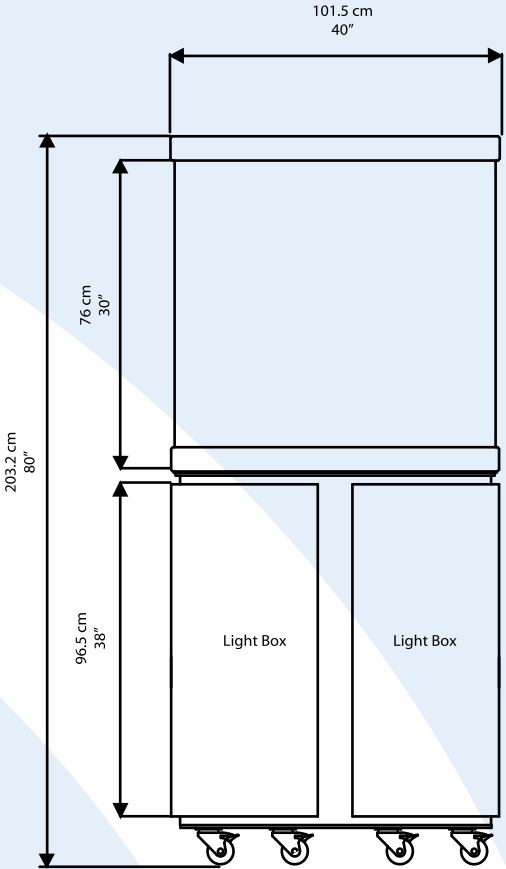
Content feed

Ceiling-mount version

Light box

METRIC	IMPERIAL
2 x 2mm	
2.73 x 0.77m	107.6 x 30.2 in
2.10m ²	22.58 sq-ft
1366 x 384	
250,000/m ²	23,226/sq-ft
750 nits	
±3%	
5000:1	
R=630nm, G=525nm, B= 470nm	
75,000 hours	
1.00 x 2.03m	39 x 80 in
350 kg	770 lb
0 – 30°C	32 – 86°F
100–120VAC, 25A, 1 phase	
1.5 kW	
DVI-D (1400 × 1050 @ 60Hz)	
60 Hz	
Yes	
Built-in Computer or Image Scaler	
Yes	
Available (w/2 posters 145 × 92 cm)	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



CEILING MOUNT OPTION



| 360° LED video display | model **DS0616**

MODEL **DS0616** [INDOOR]

Pixel pitch (horz. × vert.)

Display size (width × height)

Display area

Native resolution (horz. × vert.)

Pixel density

Luminance (minimum)

Uniformity

Contrast ratio

Color spectrum

Rated lifetime to ½ brightness

Physical dimensions (dia. × height)

Weight

Operating temperature

Power requirement

Power consumption (typical)

Video interface

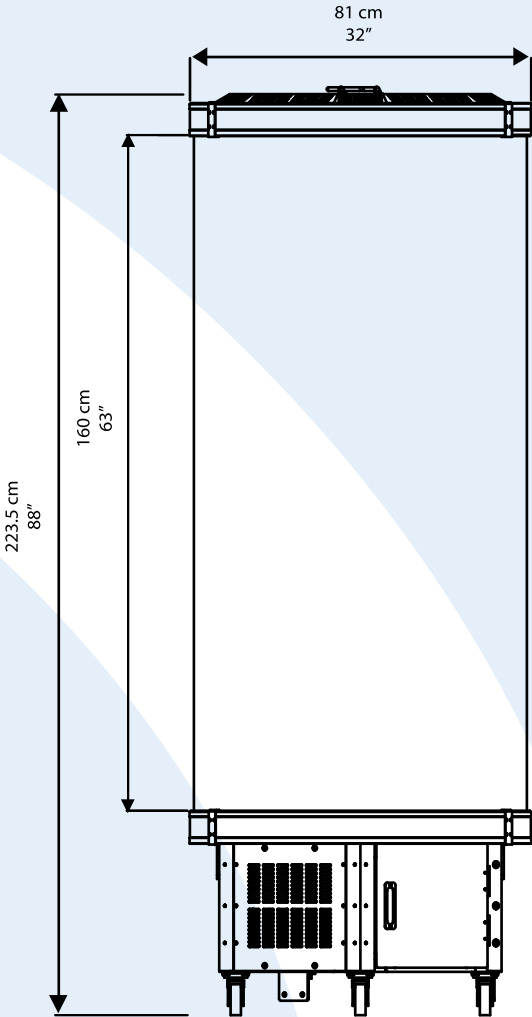
Refresh rate

Built-in speakers

Content feed

METRIC	IMPERIAL
2.1 x 2.2mm	
2.02 x 1.58m	79.4 x 62.4 in
3.25m ²	35 sq-ft
960 x 720	
216,450/m ²	20,109/sq-ft
650 nits	
±3%	
5000:1	
R=630nm, G=525nm, B= 470nm	
75,000 hours	
0.83 x 2.23m	33 x 88 in
350 kg	770 lb
0 – 30°C	32 – 86°F
200–240VAC, 18A, 1 phase	
1.85 kW	
DVI-D (1024 × 768 @ 60Hz)	
40 Hz	
Yes	
Built-in Computer or Image Scaler	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE





MODEL **DS1508** [INDOOR]

Pixel pitch (horz. × vert.)

Display size (width × height, each)

Number of displays

Display area

Native resolution (horz. × vert.)

Pixel density

Luminance (minimum)

Uniformity

Contrast ratio

Color spectrum

Rated lifetime to ½ brightness

Physical dimensions (dia. × height)

Weight

Operating temperature

Power requirement

Power consumption (typical)

Video interface

Refresh rate

Built-in speakers

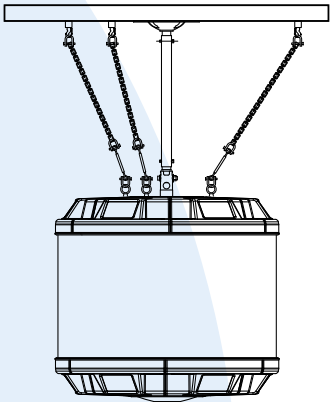
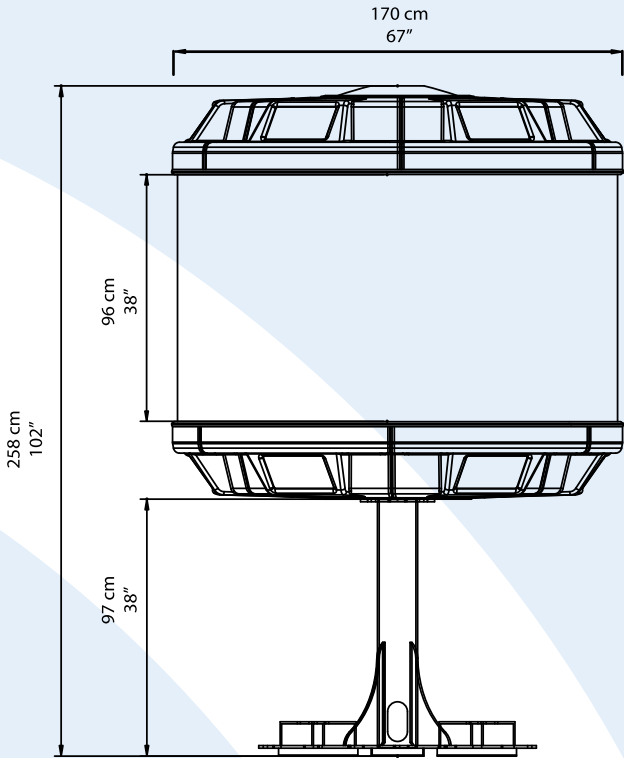
Content feed

Ceiling-mount version

Floor stand

METRIC	IMPERIAL
1.9 x 1.7mm	
1.64 x 0.87m	64.6 x 34.3 in
3 identical (3 separate images optional)	
4.29m ²	46.14 sq-ft
864 x 512 each x 3	
309,598/m ²	28,763/sq-ft
500 nits	
±3%	
5000:1	
R=630nm, G=525nm, B= 470nm	
75,000 hours	
1.70 x 2.58m	67 x 102 in
600 kg	1,325 lb
0 – 30°C	32 – 86°F
200–240VAC, 20A, 1 phase	
2.7 kW	
DVI-D (1024 × 768 @ 60Hz)	
40 Hz	
Yes	
Computer or Image Scaler	
Yes	
1.00m standard, 0.75 optional	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



CEILING MOUNT OPTION



MODEL DS2012 [INDOOR]

Pixel pitch (horz. × vert.)

Display size (width × height, each)

Number of displays

Display area

Native resolution (horz. × vert.)

Pixel density

Luminance (minimum)

Uniformity

Contrast ratio

Color spectrum

Rated lifetime to ½ brightness

Physical dimensions (dia. × height)

Weight

Operating temperature

Power requirement

Power consumption (typical)

Video interface

Refresh rate

Built-in speakers

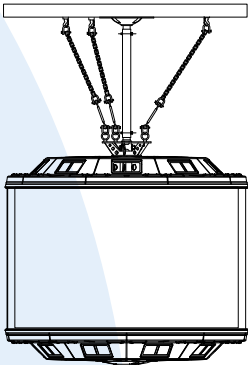
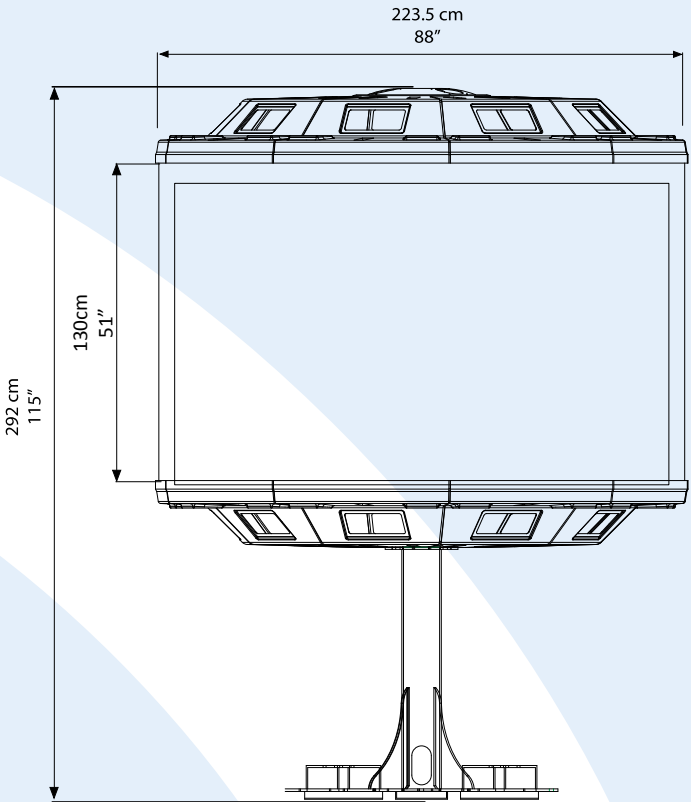
Content feed

Ceiling-mount version

Floor stand

METRIC	IMPERIAL
2.5 x 2.5mm	
2.16 x 1.20m	85.0 x 47.2 in
3 identical (3 separate images optional)	
7.78m ²	83.70 sq-ft
864 x 480 each x 3	
160,000/m ²	14,864/sq-ft
550 nits	
±3%	
5000:1	
R=630nm, G=525nm, B= 470nm	
75,000 hours	
2.23 x 2.92m	88 x 115 in
840 kg	1,853 lb
0 – 30°C	32 – 86°F
200–240VAC, 40A, 1 phase	
4.35 kW	
DVI-D (1024 × 768 @ 60Hz)	
60 Hz	
Yes	
Computer or Image Scaler	
Yes	
1.00m standard, 0.75 optional	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



CEILING MOUNT OPTION

outdoor series

a d v e r t i s i n g
l i v e t e l e v i s i o n
c u l t u r e & m u s e u m
n e w s & w e a t h e r r e p o r t
t r a f f i c u p d a t e
m e e t i n g p o i n t
a w a r d c e r e m o n y
a d v e r t i s i n g
l i v e t e l e v i s i o n
c u l t u r e & m u s e u m
n e w s & w e a t h e r r e p o r t
t r a f f i c u p d a t e
m e e t i n g p o i n t
a w a r d c e r e m o n y



| 360° LED video display | model **DS0706**

MODEL **DS0706** [OUTDOOR]

Pixel pitch (horz. × vert.)

Display size (width × height)

Display area

Native resolution (horz. × vert.)

Pixel density

Luminance (minimum)

Uniformity

Contrast ratio

Color spectrum

Rated lifetime to ½ brightness

Physical dimensions (dia. × height)

Weight

Operating temperature

Weather protection

Power requirement

Power consumption (typical)

Video interface

Refresh rate

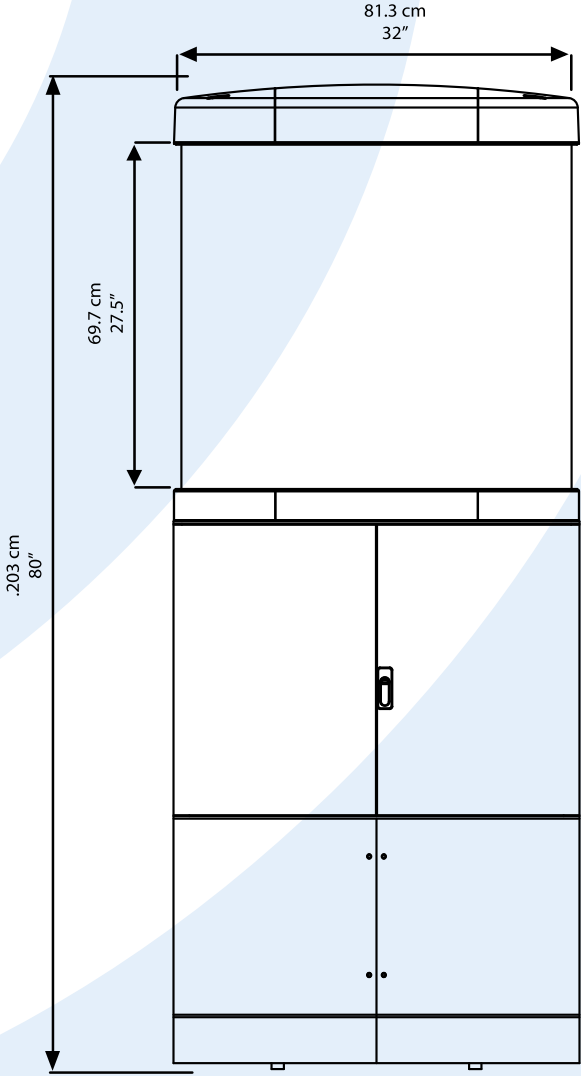
Built-in speakers

Content feed

Light box

METRIC	IMPERIAL
2 x 2mm	
2.18 x 0.61m	86.0 x 23.9 in
1.33m ²	14.29 sq-ft
1092 x 304	
250,000/m ²	23,226/sq-ft
5,000 nits	
±3%	
5000:1	
R=630nm, G=525nm, B= 470nm	
75,000 hours	
0.82 x 2.03m	32 x 80 in
470 kg	1,035 lb
-20 – 45°C	-4 – 113°F
IP65 (full enclosed w/air conditioner)	
200–240VAC, 25A, 1 phase	
2.9 kW	
DVI-D (1280 × 1024 @ 60Hz)	
90 Hz	
Yes	
Built-in Computer or Image Scaler	
Available (tall stand, add 0.71m height)	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE





| 360° LED video display | model DS1016

MODEL DS1016 [OUTDOOR]

Pixel pitch (horz. × vert.)

Display size (width × height)

Display area

Native resolution (horz. × vert.)

Pixel density

Luminance (minimum)

Uniformity

Contrast ratio

Color spectrum

Rated lifetime to ½ brightness

Physical dimensions (dia. × height)

Weight

Operating temperature

Weather protection

Power requirement

Power consumption (typical)

Video interface

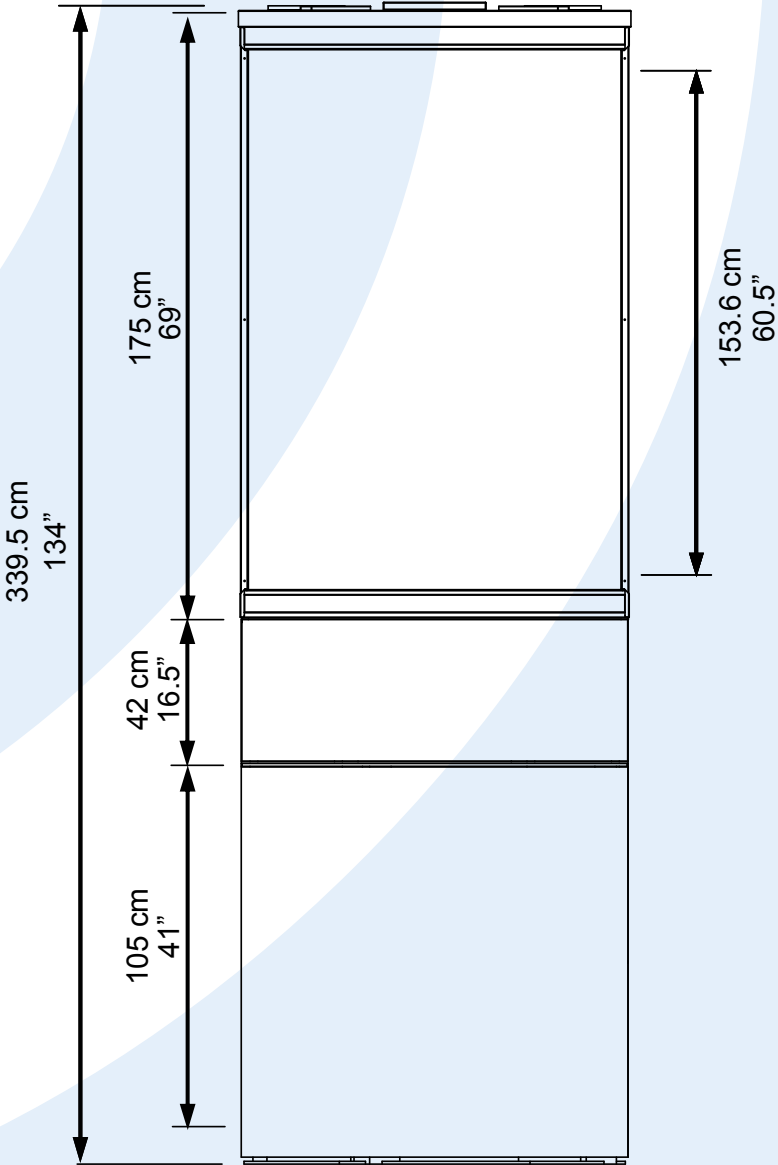
Refresh rate

Built-in speakers

Content feed

METRIC	IMPERIAL
2 x 2mm	
3.06 x 1.54m	120.5 x 60.5 in
4.70m ²	50.59 sq-ft
1530 x 768	
250,000/m ²	23,226/sq-ft
7,500 nits	
±3%	
5000:1	
R=630nm, G=525nm, B= 470nm	
75,000 hours	
1.14 x 3.40m	45 x 134 in
1150 kg	2,535 lb
-20 – 45°C	-4 – 113°F
IP65 (full enclosed w/air conditioner)	
200–240VAC, 40A, 1 phase	
5.0 kW	
DVI-D (1280 × 1024 @ 60Hz)	
90 Hz	
Yes	
Built-in Player or Image Scaler	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE





| 360° LED video display | model [DS1713](#)

MODEL **DS1713** [OUTDOOR]

Pixel pitch (horz. × vert.)

Display size (width × height)

Number of displays

Display area

Native resolution (horz. × vert.)

Pixel density

Luminance (minimum)

Uniformity

Contrast ratio

Color spectrum

Rated lifetime to ½ brightness

Physical dimensions (dia. × height)

Weight

Operating temperature

Weather protection

Power requirement

Power consumption (typical)

Video interface

Refresh rate

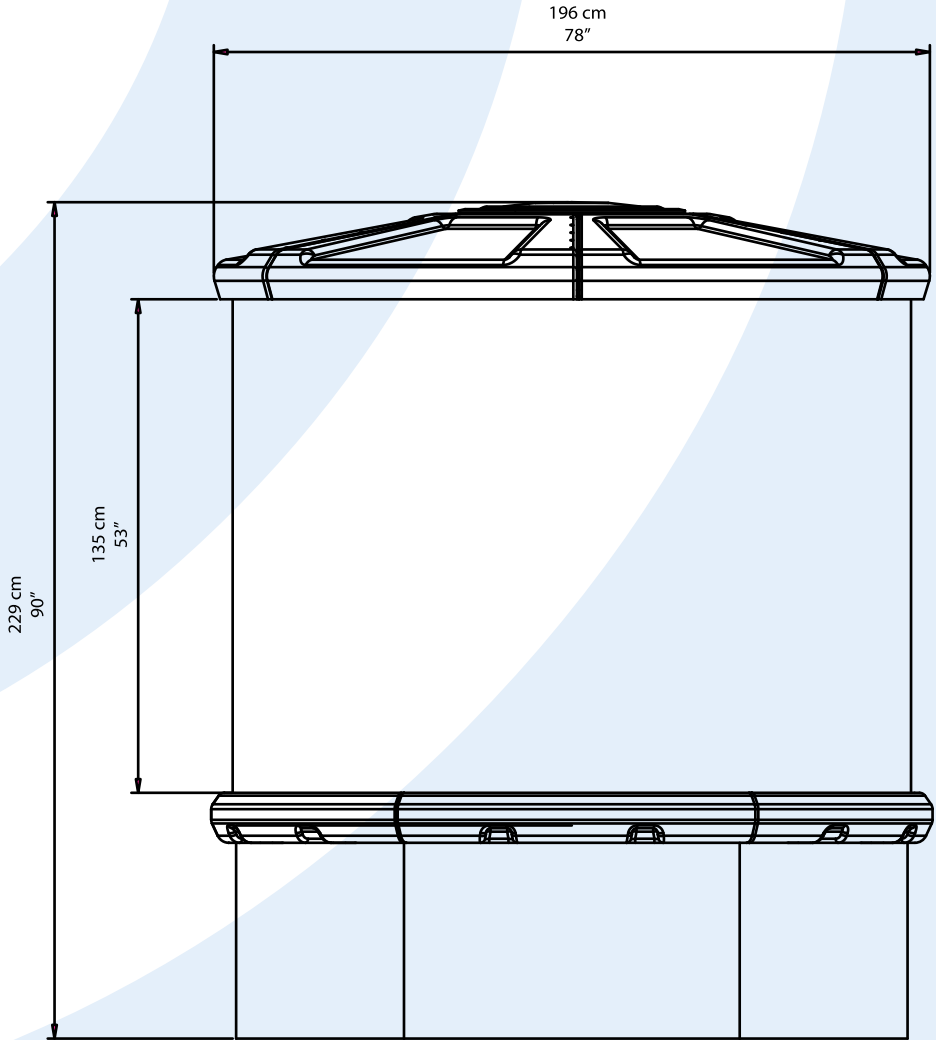
Built-in speakers

Content feed

Floor stand

METRIC	IMPERIAL
2.24 x 2.2mm	
1.77 x 1.32m	69.8 x 52.0 in
3 identical (3 separate images optional)	
7.03m ²	75.62 sq-ft
792 x 600 each x 3	
202,922/m ²	18,852/sq-ft
5,000 nits	
±3%	
5000:1	
R=630nm, G=525nm, B= 470nm	
75,000 hours	
2.00 x 2.30m	79 x 91 in
1,300 kg	2,865 lb
-20 – 45°C	-4 – 113°F
IP65 (full enclosed w/air conditioner)	
200–240VAC, 65A, 3 phase, 3 wires	
11.8 kW	
DVI-D (1024 × 768 @ 60Hz)	
60 Hz	
Yes	
Computer or Image Scaler	
1.00m standard,2.00 optional	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE





| 360° LED video display | model **DS3522**

MODEL **DS3522** [OUTDOOR]

Pixel pitch (horz. × vert.)

Display size (width × height)

Number of displays

Display area

Native resolution (horz. × vert.)

Pixel density

Luminance (minimum)

Uniformity

Contrast ratio

Color spectrum

Rated lifetime to ½ brightness

Physical dimensions (dia. × height)

Weight

Operating temperature

Weather protection

Power requirement

Power consumption (typical)

Video interface

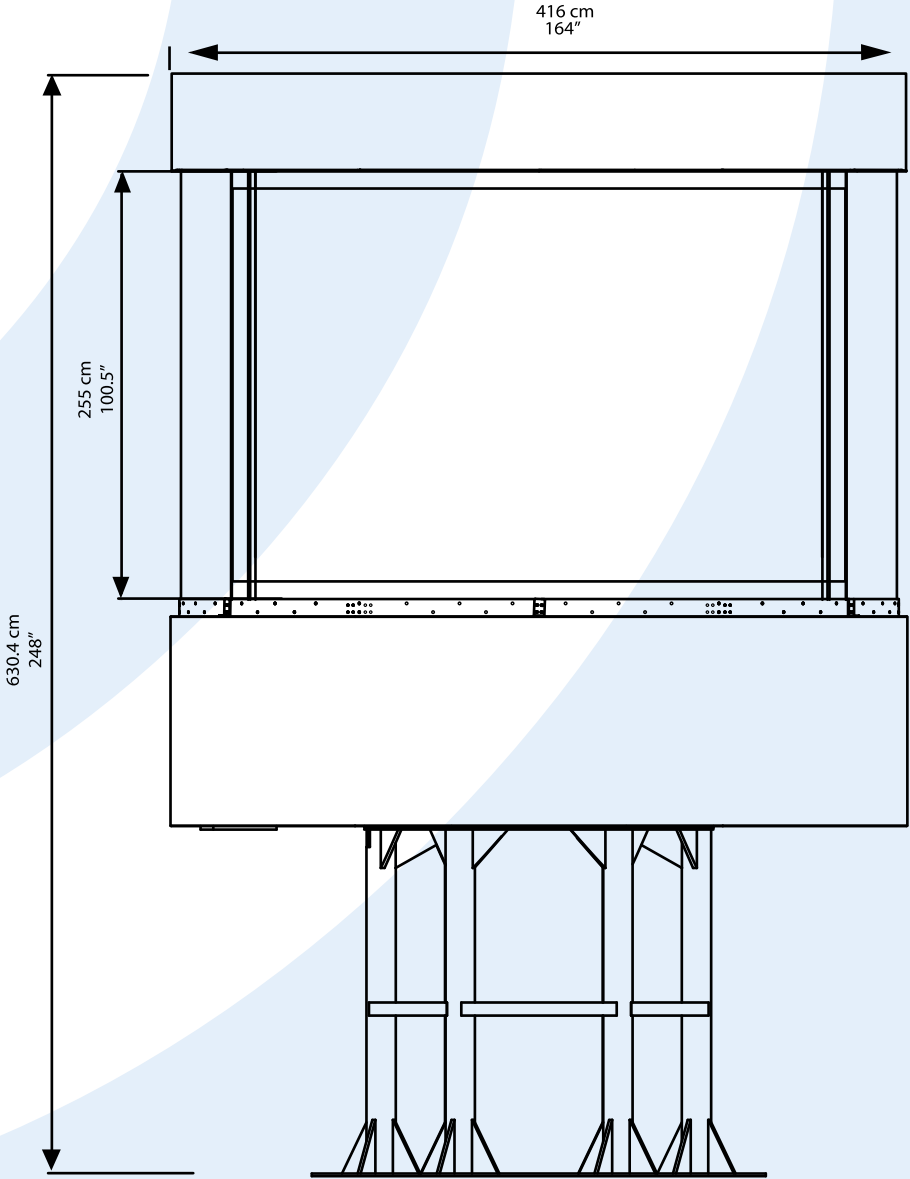
Refresh rate

Built-in speakers

Content feed

METRIC	IMPERIAL
4 x 4mm	
3.65 x 2.16m	143.6 x 85.0 in
3 identical	
23.64m ²	254.45 sq-ft
912 x 540 each x 3	
62,500/m ²	5,806/sq-ft
7,500 nits	
±3%	
5000:1	
R=630nm, G=525nm, B= 470nm	
75,000 hours	
4.22 x 4.35m	166 x 171 in
3,500 kg	7,715 lb
-20 – 45°C	-4 – 113°F
IP65 (full enclosed w/air conditioner)	
380–420VAC, 85A, 3 phase, 4 wires	
33.8 kW	
DVI-D (1024 × 768 @ 60Hz)	
120 Hz	
No	
Computer or Image Scaler	

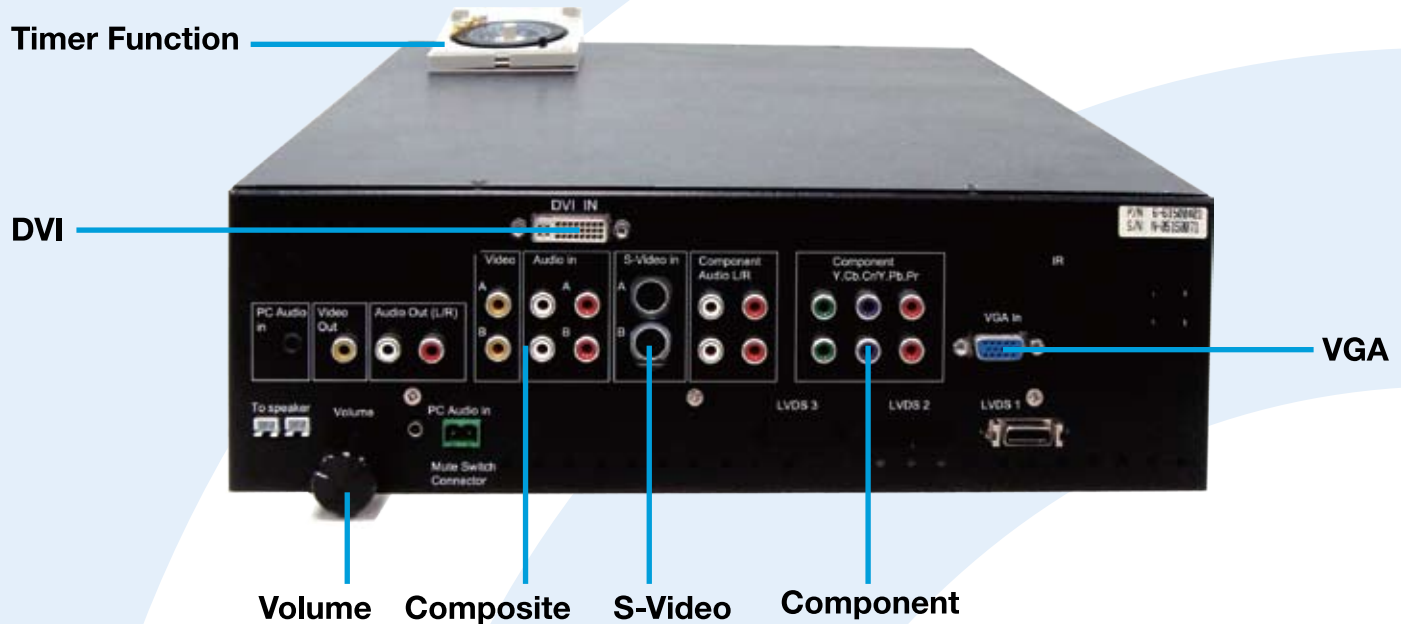
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



User Interface

All models are available in two different interfaces:

Video Input Box



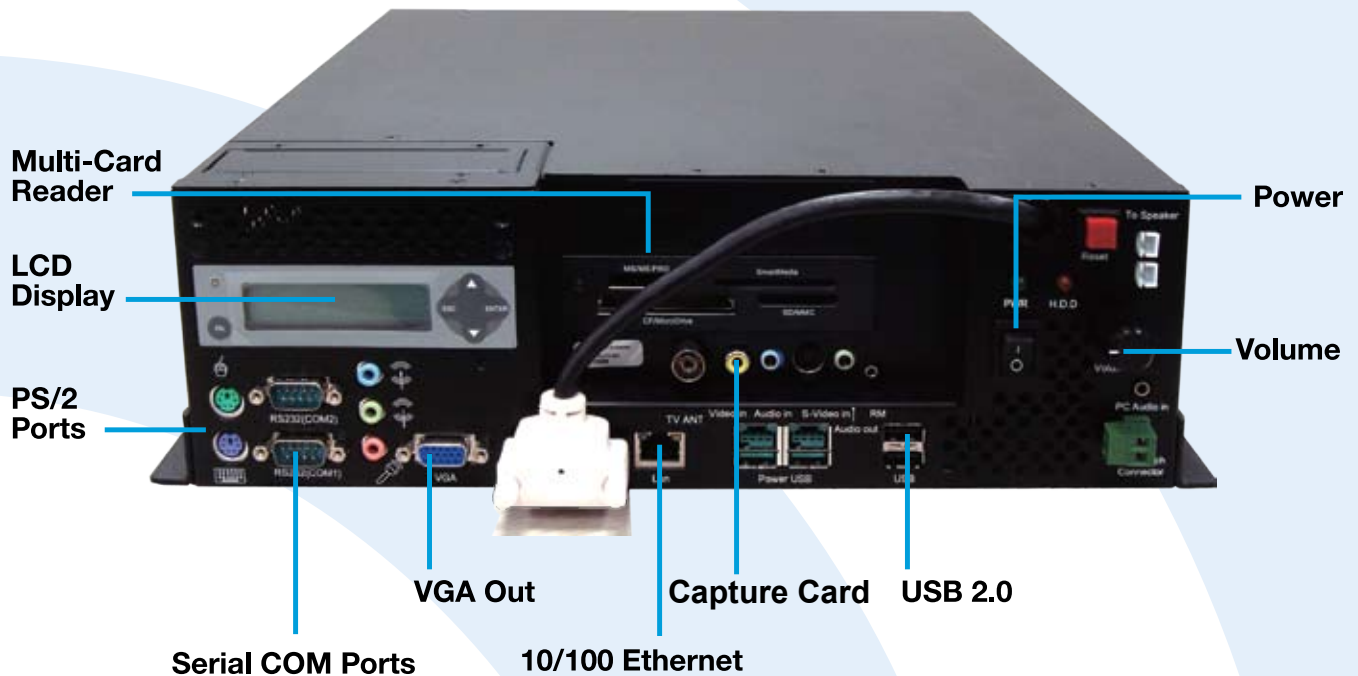
Video Input Box

Display video from virtually any video source. Works like a regular television set allowing video connections such as a DVD player for movie playback, set up a video camera for a live video feed, or connect a satellite TV box to watch live video broadcast. Remote connection allows adjustment of image rotation, brightness & color. Built-in timer provides daily scheduling control.

Video Inputs:

- Component
- Composite
- S-Video
- VGA
- DVI

Digital Video Player



Digital Video Player

Store, Schedule and Play contents directly from computer. Included user-friendly software provides full playback and monitoring control. Includes both a multi-card reader for playback of removable media, as well as a Capture card for broadcast feeds from cable TV boxes, DVD players, video cameras, and even video gaming systems. Included software supports playback for MPEG1, MPEG2, WMV, Flash, JPG, BMP, and Power Point presentations.

Includes:

- VGA out
- 4 USB Ports
- 2 PS/2 ports
- Capture card
- Multi-card reader
- Built-in 10/100 Ethernet



model DS0808



model DS0808



model DS0808



model DS0808



model DS0616



model DS0616

installations



model DS0616



model DS0616



model DS0616



model DS0616



model DS0616



model DS2012



model DS1508



model DS1508



model DS1508



model DS1508



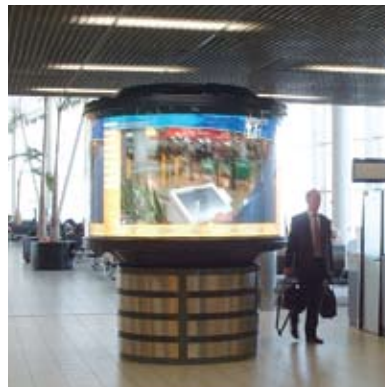
model DS1508



model DS1508



model DS1508



model DS2012



model DS2012



model DS2012



model DS2012



model DS2012



model DS2012



model DS2012



model DS2012



model DS2012



model DS2012



model DS0706



model DS0706



model DS1713



model DS1713





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DynaScan
360° LED Video Displays





FCC

CE

