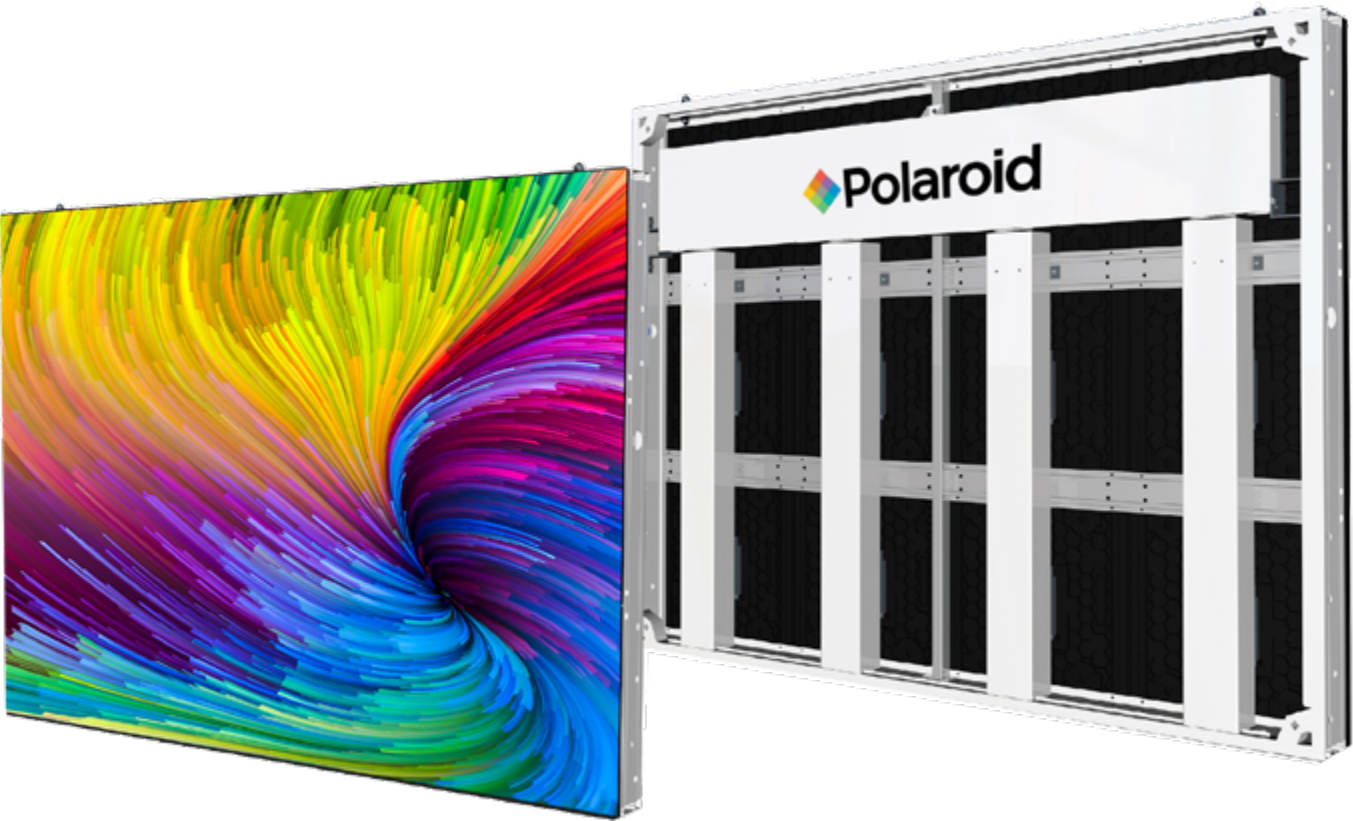


CITY SERIES

	1	2
Pixel Pitch (mm)	4	4,44
LED Type	SMDI921	SMDI921
Size (mm)	960x960x96	960x960x96
Pixel	216x216	216x216
Material	Aluminum	Aluminum
Weight (Kg)	30	30
Brightness (nit)	5500	5500
Grey Scale (bit)	14-16	14-16
Refresh Rate (Hz)	1920	1920
Power Max / Avg. (W/m2)	650/216	670/223
IP Rating	IP65/IP54	IP65/IP54
Installation & Maintenance	Front / Rear	Front / Rear
Certification	CE ETL FCC RoHS	CE ETL FCC RoHS

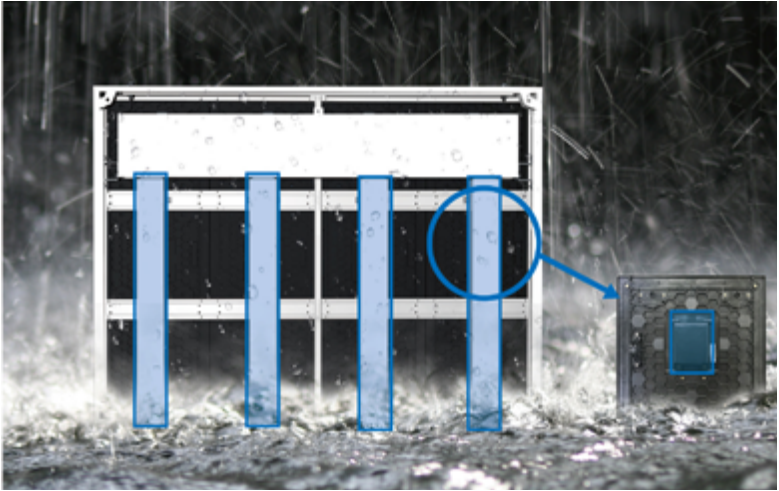
	3	4
Pixel Pitch (mm)	6	10
LED Type	SMD2727	SMD2727
Size (mm)	1280x960x96	1280x960x96
Pixel	192x144	128x96
Material	Aluminum	Aluminum
Weight (Kg)	38	38
Brightness (nit)	6500/9000	6500/9000
Grey Scale (bit)	14-16	14-16
Refresh Rate (Hz)	1920	1920
Power Max / Avg. (W/m2)	750/250	750/250
IP Rating	IP65/IP54	IP65/IP54
Installation & Maintenance	Front / Rear	Front / Rear
Certification	CE ETL FCC RoHS	CE ETL FCC RoHS



Outdoor SMD HD

The City Series is a breakthrough from traditional LED displays, making use of independent waterproof modules

Brilliant color and high contrast ratio



- Parallel module design offers high stability and reliability
- No fan
- No hub board
- Light weight,slimline design
- High precision profile

CITY SERIES

5

Size (Width*height)	320mm*320mm
Pixel Pitch (mm)	10
Resolution(Width*Height)	32*32
Pixel Density (pixels/m2)	10000
LED configuration	SMD2727 3 IN 1
Size (Width*height) (m)	1,28* 0,96
Size (Thickness) (m)	0,12
Resolution(Width*Height)	128*96
Total resolution	12288
Weight (kg/cabinet)	38
Avg power consumption (W)	307 per panel
Max power consumption (W)	922 per panel
Panel quantity (pcs)	19*6=114
Screen size (m,m,m ²)	24,32*5,75=140,08
Screen resolution(pixel)	2432*576=1400832
Screen weight (kg)	4332
Avg power consumption (W)	34998
Max power consumption (W)	105108
Brightness	6500 nits (Color Temperature 3200~9300k)
LED	Nationstar FM SMD2727 (RGB 3 IN 1)
Drive IC	ICN2038S
Viewing angle (°)	Horizontal /vertical : 140(-70° to +70°)/120(-50° to +70°)
Drive mode	1/2 scanning
Gray scale	14 to 16 bits
Refresh rate	> 1920 Hertz
Video Frame rate	30/60 Hz
Maintenance	Front and rear access both available
Certificate	Synchronously
Control way	Passs CE(EMC,LVD) , ,ROHS, ETL, FCC
Working voltage	AC100~120 or 200 ~ 240 Volt, 50/60Hz
Waterproof	FrontIP65 Rear IP54
Working temperature	-20%~+55%
Working Humidity	10%-90% RH
LED life span (Run at 50%Birghtness)	>100,000 hours
Communication medium and controlling distance	Net Cable: < 100m,Multi-model Fiber Optic<500m, Single Fiber Optic<20KM,

Widely used in commercial environments, roadsides and transportation hubs.

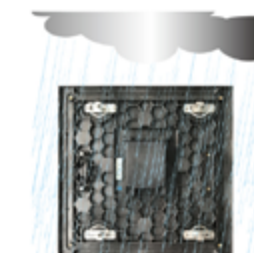
Light weight, slimline design



Double waterproof design, Independent waterproof module



Double waterproof design



Waterproof module

High stability - No fans, No hub board



No Fan



No Hub board

CITY SERIES

6

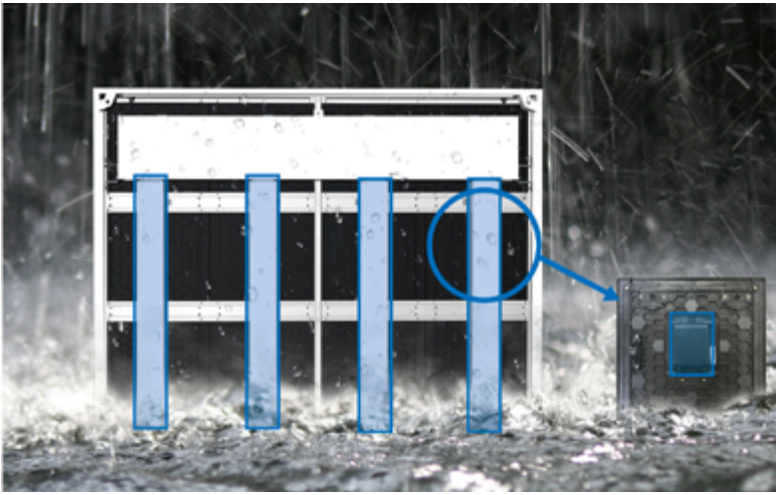
Size (Width*height)	320mm*320mm
Pixel Pitch (mm)	16
Resolution(Width*Height)	20*20
Pixel Density (pixels/m2)	3 906
LED configuration	RGB DIP346
Size (Width*height) (m)	1,28* 0,96
Size (Thickness) (m)	0,096
Resolution(Width*Height)	80*60
Total resolution	4800
Weight (kg/cabinet)	39
Avg power consumption (W)	164 per panel
Max power consumption (W)	492 per panel
Panel quantity (pcs)	19*6=114
Screen size (m,m,m ²)	24,32*5,75=140,08
Screen resolution(pixel)	1520*360=547200
Screen weight (kg)	4446
Avg power consumption (W)	18696
Max power consumption (W)	56088
Brightness	9000 nits (Color temperature 3200~9300K)
LED	Ledman-HZ ODA RGB DIP346
Drive IC	ICN2038S
Viewing angle (°)	Horizontal /vertical : 120(-60° to +60°)/60(-20° to +40°)
Drive mode	Static, constant current
Gray scale	14 bits
Refresh rate	> 1920 Hertz
Video Frame rate	30/60 Hz
Maintenance	Front and rear access maintenance both available
Certificate	Passs CE(EMC,LVD),ROHS, ETL, FCC
Control way	Synchronously
Working voltage	AC100~120V or AC 200 ~ 240 Volt, 50/60Hz
Waterproof	FrontIP65 Rear IP54
Working temperature	-10°C~+55°C
Working Humidity	10%-90% RH
LED life span (Run at 50%Birghtness)	>100,000 hours
Communication medium and controlling distance	Net Cable: < 100m,Multi-model Fiber Optic<500m, Single Fiber Optic<20KM,



 **10 Year Warranty**
Available on Premium DIP Products

Outdoor SMD HD

The City Series is a breakthrough from traditional LED displays, making use of independent waterproof modules
Brilliant color and high contrast ratio



Parallel module design offers high stability and reliability
No fan
No hub board
Light weight,slimline design
High precision profile

MORE CREATIVITY

CITY ODA SERIES

	1	2
Pixel Pitch	10,66	16
LED Type	DIP346	DIP346
Module Size(WxH)	320x320	320x320
Pixel Per Module	30x30	20x20
Module Weight	1,9	1,9
Size	1280x960x96	1280x960x96
Pixels	120×90	80×60
Material	Aluminum	Aluminum
Weight	39	39
Brightness	8000	10000
Processing depth	14~16	14~16
Display refresh rate	1920	1920
Color Temperature	3200~9300	3200~9300
Viewing angle(H)	120 (60/60)	120 (60/60)
Viewing angle(V)	60 (15/45)	60 (15/45)
Drive type	1/5 Scan	Static
AC Operating Voltage	110~240	110~240
Power Consumption (Max./Avg.)	330/110	400/133
Storage Temperature	-40~+60	-40~+60
Operating Temperature	-20~+55	-20~+55
Storage Humidity	10%~90%	10%~90%
Operating Humidity	10%~90%	10%~90%
IP Rating (Front / Rear)	IP65/IP54	IP65/IP54
Module Maintenance	Front / Rear	Front / Rear

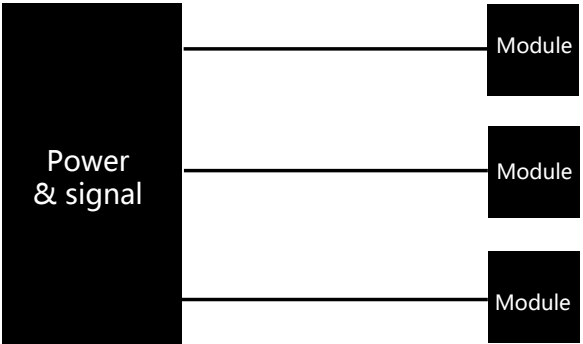


10 Year Warranty

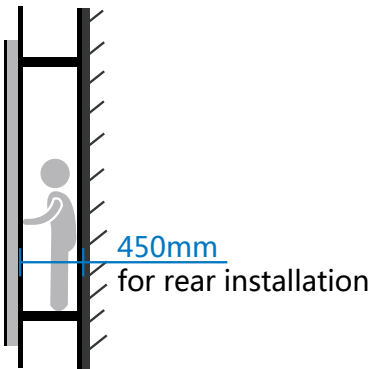
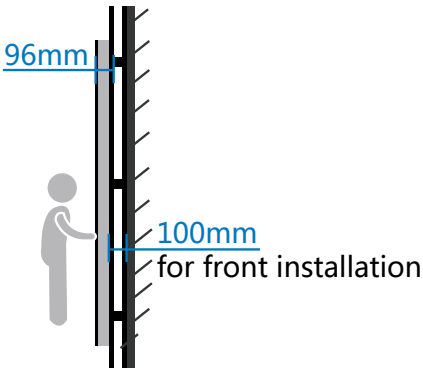
Available on Premium DIP Products



Parallel module design offers high stability and reliability



Seamless installation and maintenance



CITY SALT SERIES

	1	2	3
Pixel Pitch	10,66	16	20
LED Type	DIP346	DIP346	DIP346
Module Size(WxH)	320x320	320x320	320x320
Pixel Per Module	30x30	20x20	16x16
Module Weight	2,1	2,1	2,1
Size(WxHxT)	1280x960x151	1280x960x151	1280x960x151
Pixels	120×90	80×60	64×48
Material	Aluminum	Aluminum	Aluminum
Weight	55	55	55
Brightness	8500	8500	8500
Processing depth	14~16	14~16	14~16
Display refresh rate	1920	1920	1920
Color Temperature	3200~9300	3200~9300	3200~9300
Viewing angle(H)	120 (60/60)	120 (60/60)	120 (60/60)
Viewing angle(V)	60 (20/40)	60 (20/40)	60 (20/40)
Drive type	1/5	Static	Static
AC Operating Voltage	110/240	110/240	110/240
AC Input Frequency	50/ 60	50/ 60	50/ 60
Power Consumption	440/146	440/146	440/146
Storage Temperature	-40~+60	-40~+60	-40~+60
Operating Temperature	-20~+55	-20~+50	-20~+50
Storage Humidity	10%~90%	10%~90%	10%~90%
Operating Humidity	10%~90%	10%~90%	10%~90%
IP Rating	IP65/IP54	IP67	IP67
Module Maintenance	Front / Rear	Front / Rear	Front / Rear
PSU Maintenance	Front / Rear	Front / Rear	Front / Rear
Panel Installation Type	Stack / Front / Rear	Stack / Front / Rear	Stack / Front / Rear



SALT TESTED



Outdoor DIP HD

- High grey scale and contrast ratio
- Low energy consumption
- High protection grade
- ODA patent
- A-symmetrical lamp



HIGH CONTRAST



NORMAL CONTRAST



- Universal modules designed to accept a wide range of pixel pitch options
- Excellent display performance
- High refresh rate
- Seamless splicing
- Waterproof and Dust proof

CLIMATE SALT SERIES

	1	2	3
Pixel Pitch	10	6.67	10
Module Resolution	32x32	48x48	32x32
Drive Type	1/2 Scan	1/4 Scan	1/2 Scan
Cabinet Size	960x960x95	960x960x95	960x960x95
Brightness	6500 nits	6500 nits	6500 nits
Viewing Angle - H	130 (-65~+65)	130 (-65~+65)	130 (-65~+65)
Viewing Angle - V	98(-58~+40)	150(-80~+70)	98(-58~+40)
Pixel Configuration	3 chips 1 SMD LED	3 chips 1 SMD LED	3 chips 1 SMD LED
Module Size	320x320	320x320	320x320
Cabinet Weight	40Kg	45Kg	45Kg
Cabinet Material	Aluminum	Aluminum	Aluminum
IP Rating	IP 65	IP 65	IP 65
Operation Temp	-20~+60°C	-20~+60°C	-20~+60°C
Operating Humidity	10%~90%RH	10%~90%RH	10%~90%RH
Power Supply - Normal	AC110-240V, 50/60Hz	AC110-240V, 50/60Hz	AC110-240V, 50/60Hz
Power Consumption - Max	730W/m ²	730W/m ²	730W/m ²
Power Consumption - Avg	245W/m ²	245W/m ²	245W/m ²
Cooling System	110/240V/AC Fans	110/240V/AC Fans	110/240V/AC Fans
Certificates	ROHS	CE, ROHS	CE, ROHS
Process Level	14~16 bits	14~16 bits	14~16 bits
Refresh Rate	>1920 Hz	>1920 Hz	>1920 Hz

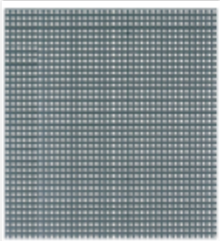


SALT TESTED

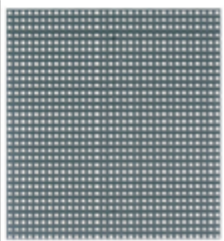


Outdoor HD

Light weight, slimline design
High contrast ratio
High grey scale
High refresh rate



P6.67



P10

Seamless splicing
Vivid display
Universal modules designed to accept a wide range of pixel pitch options
Low power consumption
Wide viewing angle

High internal protection rating makes the Salt Series ideal for harsh coastal environments. Engineered to withstand the test of time.

MORE **CREATIVITY**

CLIMATE SALT SERIES

	4	5	6
Pixel Pitch	10,66	16	20
LED Type	DIP346	DIP346	DIP346
Module Size(WxH)	320x320	320x320	320x320
Pixel Per Module	30x30	20x20	16x16
Module Weight	2,1	2,1	2,1
Size(WxHxT)	1280x960x151	1280x960x151	1280x960x151
Pixels	120*90	80*60	64*48
Material	Aluminum	Aluminum	Aluminum
Weight	55	55	55
Brightness	8500	8500	8500
Processing depth	14~16	14~16	14~16
Display refresh rate	1920	1920	1920
Color Temperature	3200~9300	3200~9300	3200~9300
Viewing angle(H)	120 (60/60)	120 (60/60)	120 (60/60)
Viewing angle(V)	60 (20/40)	60 (20/40)	60 (20/40)
Drive type	1/5	Static	Static
AC Operating Voltage	110/240	110/240	110/240
AC Input Frequency	50/ 60	50/ 60	50/ 60
Power Consumption	440/146	440/146	440/146
Storage Temperature	-40~+60	-40~+60	-40~+60
Operating Temperature	-20~+55	-20~+50	-20~+50
Storage Humidity	10%~90%	10%~90%	10%~90%
Operating Humidity	10%~90%	10%~90%	10%~90%
IP Rating	IP65/IP54	IP67	IP67
Module Maintenance	Front / Rear	Front / Rear	Front / Rear
PSU Maintenance	Front / Rear	Front / Rear	Front / Rear
Panel Installation Type	Stack / Front / Rear	Stack / Front / Rear	Stack / Front / Rear

SALT TESTED



Outdoor DIP HD

- High grey scale and contrast ratio
- Front / rear maintenance
- High protection grade
- ODA patent
- A-symmetrical lamp



HIGH CONTRAST



NORMAL CONTRAST



- Universal modules designed to accept a wide range of pixel pitch options
- Excellent display performance
- High refresh rate
- Seamless splicing
- Waterproof and Dust proof

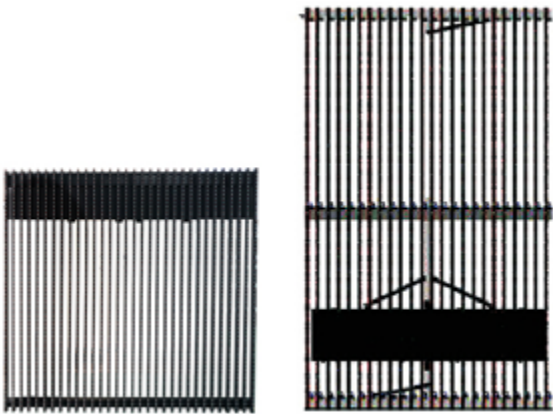
STRIPE SERIES

	1	2
Pixel Pitch	V15/H31	V25/H60
Size	1000x1000x90	1200x2400x148
Pixels	32x64	20x96
Material	Aluminum	Aluminum
Weight	16	55
Brightness	7000	7000
Processing depth	14-16	14-16
Display refresh rate	1920	3840
Power Consumption (Max./Avg.)	320/107	245/83
IP Rating (Front / Rear)	IP65/IP54	IP65/IP54
Installation and Maintenance	Front / Rear	Front / Rear

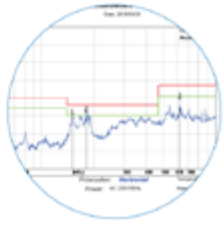


Outdoor SMD HD

- 70% transparency
- Maximum ventilation
- Ultra wind resistant design
- Seamless installation and maintenance



Testing



Results

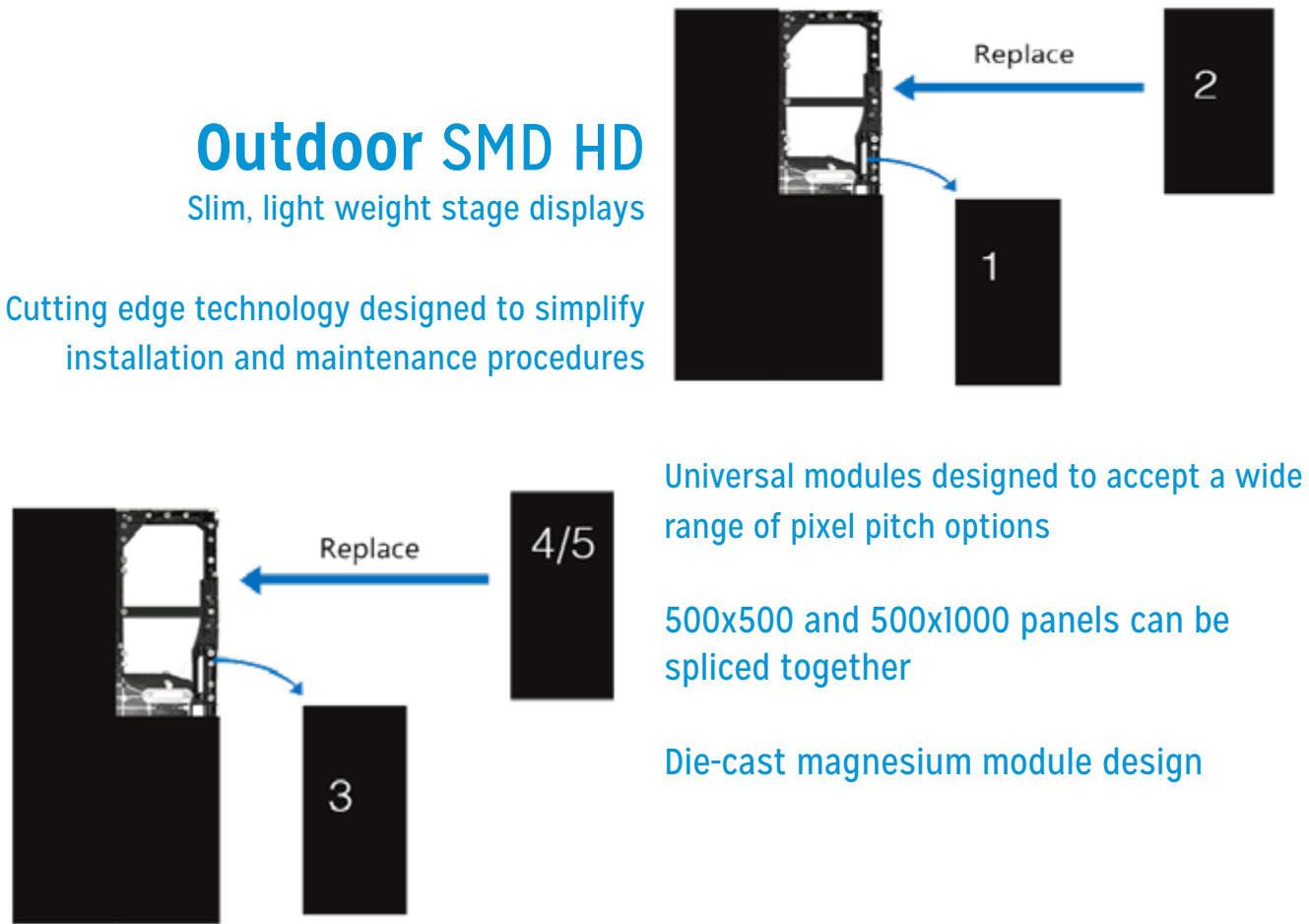
- Brilliant color and high contrast ratio
- High stability
- CE, FCO, EMD certification standards
- Light weight, slimline design

Ideal for rooftop displays, window displays, large format displays and more.

SLIMLINE SERIES

	1	2	3
Pixel Pitch (mm)	2.97	3.9	3.9
Size (mm)	500x500x88	500x500x88	500x500x88
	500x1000x88	500x1000x88	500x1000x88
Pixel	168x168	128x128	128x128
	168x336	128x256	128x256
Weight (Kg)	6.5 / 10.5	6.5 / 10.5	7.5 / 12
Brightness (nit)	1000-1200	1000-1200	4500
Grey Scale (bit)	14-16	14-16	14-16
Refresh Rate (Hz)	1880-3840	1920-3840	1920-3840
Power Max./Avg. (W/m2)	540/180	540/180	600/200
IP Rating	IP30/IP30	IP30/IP30	IP65/IP54
Inner Arc	0° 6° 12°	0° 6° 12°	0° 6° 12°
Outer Arc	0° 6°	0° 6°	0° 6°

	4	5
Pixel Pitch (mm)	4.8	6
Size (mm)	500x500x88	500x500x88
	500x1000x88	500x1000x88
Pixel	128x128	84x84
	128x256	84x168
Weight (Kg)	7.5 / 12	7.3 / 11.5
Brightness (nit)	4500	4500
Grey Scale (bit)	14-16	14-16
Refresh Rate (Hz)	1920-3840	1920-3840
Power Max./Avg. (W/m2)	600/200	600/200
IP Rating	IP65/IP54	IP65/IP54
Inner Arc	0° 6° 12°	0° 6° 12°
Outer Arc	0° 6°	0° 6°



SUPERLIGHT SERIES

	1	2
Pixel Pitch(mm)	6.6	10
Pixel Density(pixels/M2)	22500	10000
Pixel Configuration	SMD	SMD
Viewing Angle(deg.)	160(H)/160(V)	160(H)/160(V)
Brightness(nits)	5000	5000
Grey Level(Bit)	12/14/16	12/14/16
Refresh Rate(Hz)	1920/2880/3840	1920/2880/3840
Panel Size (mm)	1280(W)*960 (H)*125(D)	1280(W)*960 (H)*125(D)
Panel Size(inch)	50.39(W)*37.80(H)*4.92(D)	50.39(W)*37.80(H)*4.92(D)
Panel Resolution(pixels)	192*144	128x96
Panel Material	Aluminum & Iron	Iron
Weight(kg/pcs)	≤30	≤30
Module Size(W)*(H)(mm)	320*320	320*320
Module Size(W)*(H)(inch)	12.60*12.60	12.60*12.60
Module Resolution(pixels)	48*48	32*32
Protection Grade	IP65/IP54	IP65/IP54
Serviceability	Front / Rear	Front / Rear
Voltage(V)	AC 100~AC 240	AC 100~AC 240
*Avg. Power Consumption (W/M2)	145(AC)	148(AC)
*Max. Power Consumption (W/M2)	580(AC)	590(AC)
Operating Temp/Humidity(oC/%RH)	-20~50/10~90	-20~50/10~90
Storage Temp/Humidity(oC/%RH)	-40~60/0~90	-40~60/0~90
Lifetime(Normal Temp)hours	100000	100000



Outdoor SMD HD

- Wind resistance

Integrated power

Seamless installation

High protection grade



- Wide viewing angle

Minimum light leakage

Ultra fresh color

Long life: 100 000hours

Compliant standard:

TUV-CE,FCC, CE,RoHS,TUV-CE,FCC

High internal protection grade suitable for all outdoor applications.

OCULUS PITCH

Pixel Pitch(mm)	3.9
Pixel Density(pixels/m2)	65536
Pixel Configuration	SMD 3 in 1
Viewing Angle(Deg.)	160(H)/160(V)
Brightness(nits)	≥5000 or 4000
Grey Level(bit)	12/14/16
Contrast Ratio	5000:1 or 8000:1
Refresh Rate	1920/2880/3840
Module Size(mm)	250(W)*250(H)
Module Size(inch)	9.84(W)*9.84(H)
Panel Dimension(mm)	500(W)*500(H)*104(D)
Panel Dimension(inch)	19.69(W)*19.69(H)*4.09(D)
Panel Resolution(pixels)	128*128
Voltage(V)	AC 100/240
Panel Material	Die-cast aluminum
Panel Weight(kg)	9
Avg.Power Consumption(W/m2)	225 or 200
Max.Power Consumption(W/m2)	890 or 800
Serviceability	Front / Rear
Protection Grade	IP65/IP54
Operating Temp/Humidity(Co/%RH)	-20~+50/10~90
Storage Temp/Humidity(Co/%RH)	-40~+60/0~90
Lifetime(hours)	100000
Compliant Standard	CE,ETL,FCC,RoHS

Outdoor SMD HD

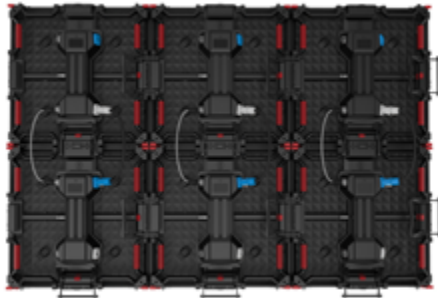
Patent design enables panels to be seamlessly locked into position creating convex, concave or 's' shaped profiles



Packaging includes protective covers to eliminate pixel damage during transportation and installation

Fan-less design reduces noise levels and dust build up

Efficient heat dissipation improves longevity and power consumption



OCULUS SERIES

	1	2
Pixel Pitch(mm)	3.9	4.8
Pixel Density(pixels/ m2)	65536	43264
Pixel Configuration	SMD 3 in 1	SMD 3 in 1
Viewing Angle(Deg.)	140(H)/140(V)	140(H)/100(V)
Brightness(nits)	5000	5500
Grey Level(bit)	14/16	14/16
Refresh Rate(Hz)	960/1920/3840	960/1920/3840
Module Size(W*H)(mm)	250x250	250x250
Module Size(W*H)(inch)	9.84x9.84	9.84x9.84
Module Resolution(pixels)	64 x 64	52x52
Panel Dimension (mm)	500(W)*500(H)	500(W)*500(H)
Panel Dimension (inch)	19.69(W)*19.69(H)	19.69(W)*19.69(H)
Panel Resolution (pixels)	128 x 128	104*104
Voltage	AC 100/240	AC 100/240
Panel Type and Material	Die-cast aluminum	Die-cast aluminum
Panel Weight (kg)	8.5	8.5
Max.Hanging Panel Quantity	20	20
Avg. Power Consumption(W/m2)	310	230
Max.Power Consumption(W/ m2)	920	690
Protection Grade	IP65/IP54	IP65/IP54
Brightness Adjustment	Manual/Auto/Programmable	Manual/Auto/Programmable
Serviceability	Rear	Rear
Operating Temp (0c/Humidity(/%RH)	-20~+40, 10~90	-20~+40, 10~90
Storage Temp (0c/Humidity(/%RH)	-40~+60, 0~90	-40~+60, 0~90
Lifetime(Normal Temp)(H)	50000	50000
Compliant Standard	CE,FCC,RoHS,TUV-CE,TUV-LVD	CE,FCC,RoHS,TUV-CE,TUV-LVD

Outdoor SMD HD
Universal panel designed to accommodate various pixel pitch configurations

Cutting edge technology designed to simplify installation and maintenance procedures



Packaging includes protective covers to eliminate pixel damage during transportation and installation

Fan-less design reduces noise levels and dust build up

Efficient heat dissipation improves longevity and power consumption

OCULUS LIGHT SERIES

	1	2
Pixel Pitch(mm)	6.6	8
Pixel Density(pixels/m2)	22500	15625
Viewing Angle(Deg.)	140(H)/70(V)	140(H)/70(V)
Brightness(nits)	5500	5000
Grey Level(bit)	16	16
Refresh Rate(Hz)	1920	1920
Module Size(mm)	320(W)*240(H)	320(W)*240(H)
Module Size(inch)	12.60(W)*9.45(H)	12.60(W)*9.45(H)
Module Resolution(pixels)	48x36	40x30
Panel Size(mm)	640(W)*720(H)	640(W)*720(H)
Panel Size(inch)	25.20(W)*28.35(H)	25.20(W)*28.35(H)
Panel Resolution(pixels)	96x108	80x90
Voltage(V)	AC 110/220	AC 110/220
Panel Weight(kg)	13.5	13.5
Max.Hanging Panels (Vertical)	15	15
Panel Type and Material	Die-cast aluminum	Die-cast aluminum
Avg.Power Consumption(W/m2)	300	275
Max.Power Consumption(W/m2)	900	825
Serviceability	Rear	Rear
Protection Grade(Front / Rear)	IP65/IP43	IP65/IP43
Brightness Adjustment	Manual/Auto/Programmable	Manual/Auto/Programmable
Operating Temp/Humidity(0c/%RH)	-20~+50, 10~90	-20~+50, 10~90
Storage Temp/Humidity(0c/%RH)	-40~+85, 10~95	-40~+85, 10~95
Lifetime(hours)(Normal temp)	50000	50000
Compliant Standard	CE,RoHS,FCC,TUV-CE,TUV-LVD	CE,RoHS,FCC,TUV-CE,TUV-LVD

Outdoor SMD HD

Slim, light weight stage displays

Cutting edge technology designed to simplify installation and maintenance procedures

Packaging includes protective covers to eliminate pixel damage during transportation and installation



Fan-less design reduces noise levels and dust build up

Efficient heat dissipation improves longevity and power consumption

