

MERTRONIC®

MERTRONIC SCREENS 2017



MERKUR®

GERMAN TECHNOLOGY

LUNA Series



Model	L1.2	L1.5	L1.9
PIXEL PITCH (MM)	1.26	1.583	1.9
LED BOARD SIZE (MM,WxH)	152 x 171	152 x 171	152 x 171
UNIT SIZE (MM,WxHxD)	608 x 342 x 75	608 x 342 x 75	608 x 342 x 75
WEIGHT (KG)	8	8	8
LED TYPE	SMD 0808	SMD 1010	SMD 1010
Max Power Consumption (W/M ²)	800	800	800
Avg Power Consumption (W/M ²)	280	280	280
BRIGHTNESS (Cd/M ²)	> 800	> 800	> 800
REFRESH RATE (Hz)	> 3000	> 3000	> 3000
GRAY SCALE (Bit)	14	14	14
PROTECTION LEVEL	IP 30	IP 30	IP 30
MAINTENANCE	Front / Rear	Front / Rear	Front / Rear

LUNA Series

Luna Series

16:9 standard ratio design:

- Each cabinet can present the image with 16:9 ratio independently, while the whole display still can show seamless image of 4K/8K broadcast level

- Can easily replace the traditional DLP screen and LCD Monitor



High refresh rate & high contrast ratio:

- With ultra high contrast ratio 3000:1, presenting perfect display effect

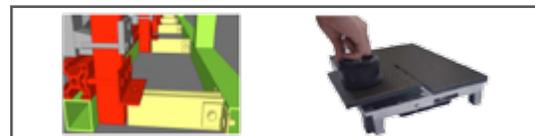
- High refresh rate meets the shooting requirement of TV and broadcast



Fast installation & easy maintenance:

- Fully front installation and maintenance by adopting the magnetic module

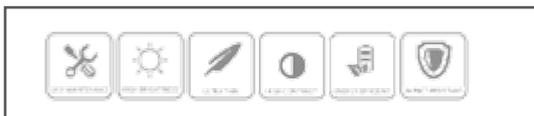
- Flexibly adjustable device guarantees the flatness of the screen



Safe & Smart:

- Monitoring malfunctions smartly by only one button, EMC is up to CLASS B level, which effectively eliminates the electromagnetic interference it generates to other devices

- Dual power and signal back-up design, which effectively ensures the continuity of the live broadcast.



ORION SERIES



Model	010S	010D	016
PIXEL PITCH (MM)	10	10	16
LED BOARD SIZE (MM,WxH)	320x320	320x320	320x320
UNIT SIZE (MM,WxHxD)	1280 x 960 x 106	1280 x 1280 x 106	1280 x 1280 x 106
WEIGHT (KG)	55	75	75
LED TYPE	SMD 3535	DIP 346	DIP 346
Max Power Consumption (W/M ²)	450	350	350
Avg Power Consumption (W/M ²)	150	120	120
BRIGHTNESS (Cd/M ²)	> 6000	> 8000	> 10000
REFRESH RATE (Hz)	> 1920	> 1920	> 1920
GRAY SCALE (Bit)	16	16	16
PROTECTION LEVEL	IP 65	IP 54	IP 54
MAINTENANCE	Front / Rear	Front / Rear	Front / Rear

ORION Series

Orion Series

Light and thin, fully front maintenance:

- High-precision CNC aluminum profile structure, with the thickness of only 12cm, easily wall mounted.
- Fully front installation and maintenance.
- No need of maintenance space and extra decoration.



Energy-saving and cost-saving:

- Apply Mertronic's patent KO series led lamp, high brightness and low power consumption, 50% energy-saving than ordinary led lamp.
- Ultra high-effective long span power supply that is up to 90%, which effectively reduces power consumption

- Fan-less, noiseless design, no need of extra power supply
- Excellent heat dissipation structure , no extra air conditioning refrigeration is required.

Smart & safe:

- Remote monitoring for real-time performance monitoring
- Waterproof design of Modular level, the protection level is up to IP65.
- EMC CLASS B electromagnetic compatibility level



Perfect visual effect:

- Unique high louvers design for efficient contrast ratio.

- With refresh rate of 1920Hz+, and high gray scale of 16Bit+
- No extra decoration, truly frameless



DI Series



Model	Di3	Di4	Di5
PIXEL PITCH (MM)	3.91	4.81	5.95
LED BOARD SIZE (MM,WxH)	250 x 250	250 x 250	250 x 250
UNIT SIZE (MM,WxHxD)	500 x 1000 x 80	500 x 1000 x 80	500 x 1000 x 80
WEIGHT (KG)	15	15	15
LED TYPE	SMD 2727	SMD 2727	SMD 2727
Max Power Consumption (W/M ²)	800	800	800
Avg Power Consumption (W/M ²)	280	280	280
BRIGHTNESS (Cd/M ²)	> 5000	> 5000	> 5000
REFRESH RATE (Hz)	> 1920	> 1920	> 1920
GRAY SCALE (Bit)	14	14	14
PROTECTION LEVEL	IP65 / IP54	IP65 / IP54	IP65 / IP54
MAINTENANCE	Front / Rear	Front / Rear	Front / Rear

DI Series

DI Series

Light and slim:

- Each cabinet weighs only 15 KG
- Compact CNC workmanship, ultra-thin aluminium profile structure

Easy installation and maintenance:

- Fast lock system with ergonomic design
- 5 seconds' instant installation, 15 seconds' quick maintenance
- Fully front installation and maintenance



Smart & Stable:

- Monitoring malfunctions smartly by one button, LCD real-time monitoring
- Data restored smartly with data memory chip
- Chrominance and brightness calibration supported



Outdoor High Definition Rental & Fixed 2 in 1:

- Single unit waterproof design, protection level is up to IP65, Easily used for indoor, outdoor and other situations.
- Extremely extraordinary colour and high brightness



NORMA Series



Model	N3	N4
PIXEL PITCH (MM)	3.91	4.81
LED BOARD SIZE (MM,WxH)	250 x 250	250 x 250
UNIT SIZE (MM,WxHxD)	500 x 1000 x 80	500 x 1000 x 80
WEIGHT (KG)	13	12
LED TYPE	SMD 2020	SMD 2020
Max Power Consumption (W/M ²)	650	650
Avg Power Consumption (W/M ²)	240	240
BRIGHTNESS (Cd/M ²)	> 1000	> 1000
REFRESH RATE (Hz)	> 1200	> 1200
GRAY SCALE (Bit)	> 12	> 12
PROTECTION LEVEL	IP 30	IP 30
MAINTENANCE	Front	Front

NORMA Series

Norma Series

Ultra light & Slim:

- Only 13 kg / unit, easy to operate by only one person
- High-precision anodized profile structure is applied



Perfect visual effect:

- High contrast ratio louvers brings excellent colour consistency
- No extra decoration is required, truly no border design



Wall-mounted, Fully front maintenance:

- No need of extra steel structure, saves both space and structure cost
- Fully front in installation and maintenance, fast and efficient



Energy-saving, cost-saving:

- Fan-less, noiseless design
- Excellent heat dissipation structure design, no need of air conditioning refrigeration
- Extraordinary circuit controlling design, low energy consumption and long-life span.



RIGEL Series



Model	R10
PIXEL PITCH (MM)	10
LED BOARD SIZE (MM,WxH)	320 x 320
UNIT SIZE (MM,WxHxD)	1280 x 960 x 106
WEIGHT (KG)	55
LED TYPE	SMD 3535
Max Power Consumption (W/M ²)	450
Avg Power Consumption (W/M ²)	150
BRIGHTNESS (Cd/M ²)	> 7500
REFRESH RATE (Hz)	> 1920
GRAY SCALE (Bit)	16
PROTECTION LEVEL	IP65 / IP54
MAINTENANCE	Front / Rear

RIGEL Series

Rigel Series

Easy installation & dismantle:

- Fast lock system design guarantees a quick & easy installation
- Front & rear allows for easy and fast service of LED modules, power or data boxes.



Safe & Protective:

- Anti-collision beam and soft louvers design, protect athletes from crashing
- Unique base rack design, which effectively prevents the water accumulation on the display

Light and slim:

- Only 42kg/Unit, Weight down 40% than traditional one
- Compact CNC workmanship, ultrathin aluminium profile structure

Adjustable cabinet angle:

- Adjustable cabinet angle 0-30° to ensure best possible viewing sweet spot for TV cameras
- Extra wide viewing angle of 140° for exceptional picture quality under all circumstances



IRIS Series



Model	I2	I3	I4	IV3	IV4
PIXEL PITCH (MM)	2.84	3.91	4.81	3.91	4.81
LED BOARD SIZE (MM,WxH)	250 x 250				
UNIT SIZE (MM,WxHxD)	500 x 500 x 80				
WEIGHT (KG)	7.5	7.5	7.5	8.2	8.2
LED TYPE	SMD 2020				
Max Power Consumption (W/M ²)	650	650	650	650	650
Avg Power Consumption (W/M ²)	240	240	240	240	240
BRIGHTNESS (Cd/M ²)	> 1000	> 1000	> 1000	> 4000	> 4000
REFRESH RATE (Hz)	> 2000	> 2000	> 2000	> 2000	> 2000
GRAY SCALE (Bit)	> 14	> 14	> 14	> 14	> 14
PROTECTION LEVEL	IP40	IP40	IP40	IP54	IP54
MAINTENANCE	Front / Rear				

IRIS Series

Iris Series

Light and solid:

- Each cabinet weighs only 7.5 kg,
- Die-casting aluminum structure molding workmanship makes it more accurate and robust.

Easy installation and maintenance:

- Fast-lock system with ergonomic design
- 5 seconds' instant installation, 15 seconds' quick maintenance.
- Fully front installation and maintenance,
- More convenient and safer by using the Mertronics's exclusive structure design

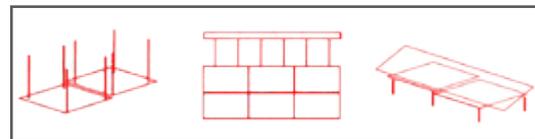
Multiple installations

Both for indoor and outdoor usage:

- Protection level is up to IP65, which makes IRIS-series easily used for indoor, outdoor and other situations.
- Suited for hanging and fixed installation, even can be installed on the ceiling and floor.

Smart & Stable:

- Monitoring malfunctions smartly by one button, LCD real-time monitoring.
- Data restored smartly with data memory chip.



DAWN Series



Model	D16	D16S	D50
PIXEL PITCH (MM, Horizontal)	16.67	33.33	50
PIXEL PITCH (MM, Vertical)	16.67	16.67	50
UNIT SIZE (MM,WxHxD)	500 x 1000 x 80	500 x 1000 x 80	Costmized
WEIGHT (KG)	12	7.5	28
LED TYPE	346	346	346
Max Power Consumption (W/M ²)	400	400	400
Avg Power Consumption (W/M ²)	150	150	140
BRIGHTNESS (Cd/M ²)	> 10000	> 10000	> 6000
REFRESH RATE (Hz)	> 1920	> 1920	> 2400
GRAY SCALE (Bit)	16	16	16
PROTECTION LEVEL	IP65 / IP54	IP65 / IP54	IP65 / IP54
MAINTENANCE	Front / Rear	Front / Rear	Front / Rear

DAWN Series

Dawn Series

Ultra- light & slim , fully see-through:

- Each cabinet weighs only 12 KG, which is only 25% of traditional one
- Wind resistance and high transparency, catering to outdoor media facades needs

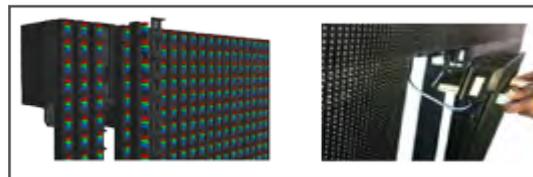


High protection level & high stability:

- With entire glue-irrigation workmanship, enhances the protection level to IP65
- With superconducting heat materials, heat dissipation capability enhanced by 80%.

Easy installation and maintenance:

- Only one person is needed for fast front or rear maintenance by using Mertronic's exclusive maintenance tools
- Steel structure cost down 70%
- Break through the barrier by maintaining each single strip independently.



Invisible & colourful:

- Totally integrated with the building, shining colourfully when powered on, while totally invisible when not
- The optimal choice for the landmark building display system



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