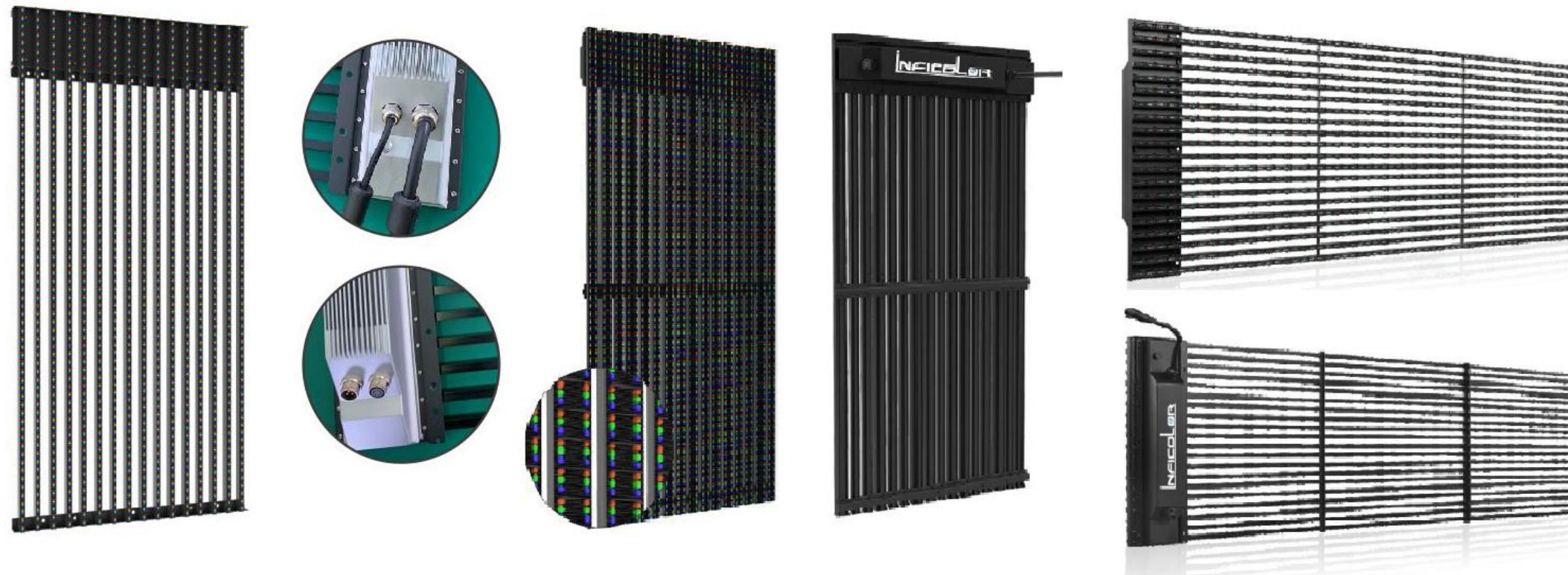## IM Series Outdoor mesh LED Display(LED Strip type)

1. The LED Strip adopts all-aluminum design, with strong UV resistance and fast heat dissipition.

2. Integrated design: integrated design of power supply and signal line, aviation plug design. It saves a lot of wiring and installation time.

3. Ultra-low power consumption and high efficient heat dissipation.

4. Both front and rear service is supported. no need to reserve maintenance channels

5. High transparency, safe for wall facade installation, wertherworthy rank up to 12 grade.

6. High degree of protection: IP67 front and rear, no other protection facilities are needed.

7. High Brightness: using high-end Epistar chip DIP LED lamp, the brightness can reach from 6000 to 10000nits.

8. Easy maintenance, LED Strip replacement from front side, easy and quick.

SPECIFICATION

Item	PH15.625	PH16	PH15/31	PH31	PH25	PH25/31.2	PH25/41.6	PH25/50
Model	IM150D	IM160D	IM15-310D	IM310D	IM250D	IM25-31.2D	IM25-41.6D	IM25-50D
Pixel pitch	15.625mm	16mm	15.625/31.25mm	31.25mm	25mm	25/31.2mm	25/41.6mm	25/50mm
LED Type	DIP 346	DIP 346	DIP 346	DIP 346	DIP 346	DIP 346	DIP 346	DIP 346
Pixel configuration	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED Strip size	23.8mm×1000mm	1280mm×23.8mm	10mm×1000mm	10mm×1500mm	1500mm×10mm	1500mm×10mm	1500mm×10mm	1500mm×10mm
LED Strip resolution	2×64	80×2	64×1	32×1	60×1	60×1	60×1	60×1
LED Strip power consumption	15W	24.4W	12W	7Watt	18W	18W	18W	18W
Pixel density	4096dots/m^2	3906dots/m^2	2048dots/m^2	1024dots/m^2	1600dots/m^2	1280dots/m^2	960dots/m^2	800dots/m^2
Cabinet material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Cabinet size(mm)	500×1000	1280×320×83	500×1000	500×1500	1500×500×83	1500×500×83	1500×500×83	1500×500×83
Cabinet weight	10.5KG	10KG	7KG	9KG	9KG	8.5KG	8KG	7.5KG
Best viewing distance	>16m	>16m	>15m	>31m	>25m	>25m	>25m	>25m
Max. Power consumption/m2	580Watt/m2	590Watt/m2	600Watt/m2	455Watt/m2	480Watt/m2	455Watt/m2	400Watt/m2	270Watt/m2
Average power consumption/m2	200Watt/m^2	200Watt/m^2	200Watt/m^2	150Watt/m^2	140Watt/m2	130Watt/m2	125Watt/m2	80Watt/m2
Brightness	8500-10000cd/m^2	8500-10000cd/m^2	8500-9500cd/m^2	8000-9000cd/m^2	8000-10000cd/m^2	8000-9000cd/m^2	7000cd/m^2	6000cd/m^2
Transparency rate	24%	32%	65%	68%	60%	68%	75%	80%
Scan method	Static	Static	Static	static	Static	Static	Static	Static
Refresh rate	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz
Best viewing angle	H: 120° / V: 55°	H: 120° / V: 55°	H: 120° / V: 55°	H: 120° / V: 55°	H: 120° / V: 55°	H: 120° / V: 55°	H: 120° / V: 55°	H: 120° / V: 55°
Gray scale level	16bits	16bits	16bits	16bits	16bits	16bits	16bits	16bits
Color temp.	6500K	6500K	6500K	6500K	6500K	6500K	6500K	6500K
Control method	Synchronize	Synchronize	Synchronize	Synchronize	Synchronize	Synchronize	Synchronize	Synchronize
Driving method	Constant current	Constant current	Constant current	Constant current	Constant current	Constant current	Constant current	Constant current
Working voltage	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%
Working temp.	-20℃-50℃±10%	-20℃-50℃±10%	-20℃-50℃±10%	-20℃-50℃±10%	-20℃-50℃±10%	-20℃-50℃±10%	-20℃-50℃±10%	-20℃-50℃±10%
Frame change frequency	60HZ	60HZ	60HZ	60HZ	60HZ	60HZ	60HZ	60HZ
IP Rating	IP67	IP67	IP67	IP65	IP67	IP67	IP67	IP67
MTBF	10,000H	10,000H	10,000H	10,000H	10,000H	10,000H	10,000H	10,000H
Lifespan	100,000H	100,000H	100,000H	100,000H	100,000H	100,000H	100,000H	100,000H

Install cases: 200sqm in Perm, Moscow @ April, 2021