

Outdoor Fixed LED Display Screen

MW77XX-FO-D



MW77XX-FO-D Outdoor Fixed LED Display Screen

Features

- The R, G, B wafers are encapsulated together to form a single pixel, delivering excellent color mixing effect and consistency.
- The lamp board and drive board are integrated, ensuring even current distribution, low power consumption, and fast heat dissipation.
- Driver ICs at high refresh rate make the images delicate and smooth.
- Ultra-high brightness(optional), low attenuation, high reliability, and high weather resistance.
- Unique grain design on the mask surface, matte black, and high contrast.
- The PCB surface of modules is properly treated to prevent moisture, water, and corrosion. The modules adopt PC engineering plastic bottom shells and undergo the AB glue dispensing treatment for water prevention and anti-UV treatment. The surface uses the hermetic structure, which can achieve the waterproof rating of IP65.

- Long service life.
- Ultra-wide field of view and satisfactory display effects from diversified angles.
- Metal cabinet for high precision, good evenness, and high thermal conductivity.

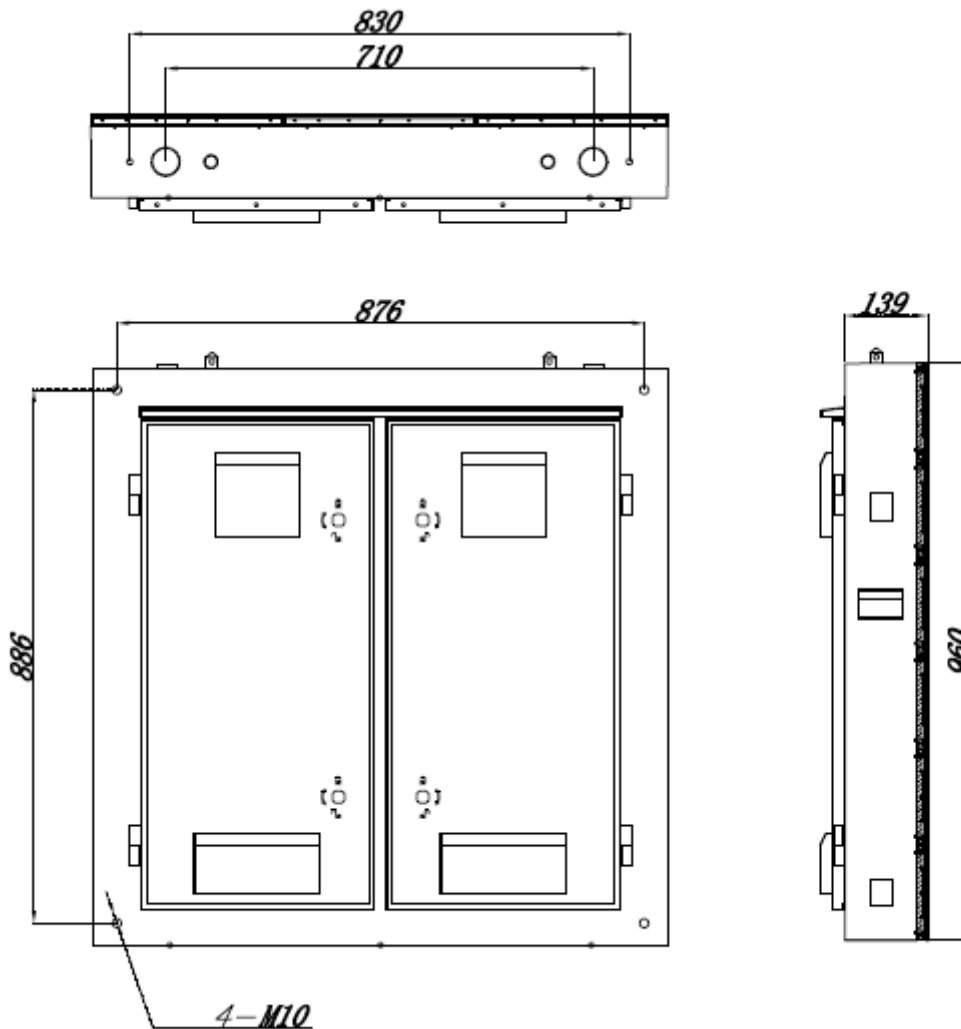
Specifications

Model	MW7740-FO-D	MW7750-FO-D	MW7766-FO-D	MW7780-FO-D	MW77A0-FO-D
Module					
Pixel pitch	P4	P5	P6.67	P8	P10
Resolution (W*H)	80*40	64*32	48*24	40*20	32*16
Dimensions (mm)	320*160				
Cabinet					
Dimensions (mm)	W960×H960×D137.5 (±0.5)	W960×H960×D137.5 (±0.5)	W960×H960×D139 (±0.5)	W960×H960×D139 (±0.5)	W960×H960×D137 (±0.5)
Resolution (W*H)	240*240	192*192	144*144	120*120	96*96
Weight (kg/pcs)	39±1				
Pixel density (pitch/m ²)	62500	40000	22500	15625	10000
Material	SPCC metal plate				
Optical					
Brightness (nits) (copper wire)	5500				
Brightness (nits) (golden wire) (optional)	6500	6500	7000	7000	7000
Brightness (nits) (golden wire hohlight) (optional)	8000	8000	9000	8000-9000	9000
Contrast ratio	3000:1(copper wire); 5000:1(golden wire) (optional); 6000:1(golden wire highlight)(optional)				
Color temperature (K)	3500 to 9300				
Viewing angle (H/V)	120°/120°				
Processing performance					
Grayscale (bit)	14				
Scan (S)	10	8	6	5	2
Refresh rate (Hz)	3840				
Line drive IC	SM5368	SM5166	SM5166	SM5166	SM5166
Column drive IC	SM16380				
Center distance deviation of LED	≤3%				
Brightness uniformity	≥97%				
Color uniformity (Cx,Cy)	±0.003				
Electrical					
Average power consumption (W/m ²)	300				

Max. power consumption (W/m ²)	900
Power supply (V)	AC 100 to 240
Drive mode	Constant current driving
General	
Maintenance mode	Rear maintenance
Ingress protection	IP65
Operating temperature	-20°C to 50°C
Operating humidity	20% to 90% RH non-condensing
Storage temperature	-40°C to 60°C
Storage humidity	10% to 90% RH non-condensing
LED lifetime (h)	100000
Certifications	RoHS

Appearance

Dimensions



Ordering Information

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* Product specifications and availability are subject to change without notice.