

DESAY



TVB Series

Professional Indoor
Fine-Pitch LED Display

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Specifications

Parameter	Unit	TVB0.9	TVB1.2	TVB1.5	TVB1.8	TVB2.5	TVC0.7	TVC0.9	TVC1.2	TVC1.5	TVC1.8
Pixel pitch	mm	0.937	1.25	1.562	1.875	2.5	0.781	0.937	1.25	1.562	1.875
Brightness	nits	800	1000	1000	1000	1000	600	600	600 ~ 700	800	550
Pixel configuration	R/G/B	SMD 3 in 1/Mini/MIP						COB			
Color temperature	K	6500						9000			
Viewing angle-Horizontal (50% brightness)	Deg.	160 (+80/-80)									
Viewing angle-Vertical (50% brightness)	Deg.	140 (+70/-70)									
Recommended minimum viewing distance	m	0.9	1.2	1.5	1.8	2.5	0.7	0.9	1.2	1.5	1.8
Panel width	mm	600									
Panel height	mm	337.5									
Panel depth	mm	40									
Panel area	m²	0.2025									
Panel material		Die-cast Aluminum									
Panel weight	Kg	5.6									
Ingress protection (front/back)	IP	30/30									
Pixel matrix per panel		640×360	480×270	384×216	320×180	240×135	768×432	640×360	480×270	384×216	320×180
Brightness control		255									
Gray scale	bit	14 ~ 16						13 ~ 16			
Frame rate	Hz	50/60									
Display refresh rate	Hz	3840/7680									
Input voltage	VAC	100 ~ 240									
Input power frequency	Hz	50 ~ 60									
Power Consumption (Max.)	W/m²	400±10%	650±10%	650±10%	650±10%	550±10%	360±10%	280±10%	330±10%	330±10%	400±10%
Power Consumption (Avg.)	W/m²	140±10%	227±10%	227±10%	227±10%	192±10%	120±10%	94±10%	110±10%	110±10%	140±10%
Operating temperature range	°C	-10 ~ +40									
Lifetime (50% brightness)	Hours	100,000									

Features

- Die-cast aluminum cabinet frame: high dimensional precision and superior thermal dissipation performance
- Ultra-slim: only 40mm depth
- Supports 16:9 & 4:3 assembly
- Optional: Mini LED, GOB, COB, impact-resistant
- Common cathode technology saves up to 30% power
- Dual backup design for power supply & receiving card
- Fanless structure, noise-free
- On-board memory IC
- EMC Class B compliant
- Wide viewing angle, high refresh rate, high contrast ratio
- Hub board with integrated fuse
- Flame-retardant materials to ensure compliance with international fire safety standards
- Fine-adjustable connectors for seamless splicing



Dual Power & Data Optional

Internal Curved Design: -10° to +10° Concave / Convex Seamless Splicing