

# ARENA LDSOSP12.5AR

LED SCREENS OPTIMIZED FOR  
SPORT VENUES



## General

Operating environment	outdoor
Pixel pitch	12.5mm
Service type	front and rear access
Calibrated brightness (nits)	>7.000nits
Lamp type	SMD
Lifespan (hours at %50 brightness)	>100.000hours
White color calibration (adj.)	3.500K~8.500K
Gray scale	>16bits
Brightness control	256 level

## Module Specifications

Module dimensions (mm)	400x300
Refresh frequency	adjustable
Module resolution	32x24
LED drive method	dynamic
Module material	plastic (PC)
Module type	sealed
PCB type	multilayer
PCB surface coating	humiseal

## Panel Specifications

Panel material	aluminum
Panel paint	ES powder coated
Panel dimensions (mm) 1	1.600x900
IP level	IP67 front and rear
Panel weight	<40kg
Panel resolution	128x72
Pixel density (pcs/sqm)	6.400
Viewing angle (horizontal x vertical)	>120° x 120°
Minimum viewing distance	>12m
Operating temperature range	-15°C ~ +50°C
Storage temperature range	-20°C ~ +60°C
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50 ~ 60 Hz
Average power per sqm	<120W
Max power per sqm	<600W
Active PFC	YES
Load tolerance <sup>2</sup>	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling

## Other

Max input resolution	FHD, UHD, 4K, 8K
Standard video sources <sup>3</sup>	All digital formats
Brightness adjustment	Automatic & manual
Death pixel monitoring	Optional
Module monitoring	YES
Temperature monitoring	YES
Smoke monitoring	Optional
Voltage monitoring	YES
Power redundancy	N/A
Signal path backup	YES
Signal transmission	CAT or Fiber Optic
Standby scheduling	YES
Power on/off scheduling	Optional
Power saving mode	YES
Certification	CE-EMC, CE-LVD, RoHS, TUV, FCC

## Options

\*The mechanical and electronic specification options are available.

- Customized wide viewing angle mask structure
- Quick maintenance within 1.5 minutes module change period
- High level vandalism protection with strong PC surface
- Patented mask structure to prevent injuries
- Strong aluminum structure with passive cooling

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