

# LGAOSP10.0AR

HIGH-BRIGHTNESS LED SCREENS FOR  
STADIUMS, ARENAS &  
SPORTS VENUES



## TECHNICAL SPECIFICATIONS

### GENERAL

|                                    |   |                       |
|------------------------------------|---|-----------------------|
| Operating environment              | : | outdoor               |
| Pixel pitch                        | : | 10mm                  |
| Service type                       | : | front and rear access |
| Calibrated brightness (nits)       | : | >7.000 nits           |
| Lamp type                          | : | SMD                   |
| Lifespan (hours at %50 brightness) | : | >100.000 hours        |
| White color calibration (adj.)     | : | 3.500K-8.500K         |
| Gray scale                         | : | >16 bits              |
| Brightness control                 | : | 256 level             |

### MODULE SPECIFICATIONS

|                        |   |            |
|------------------------|---|------------|
| Module dimensions (mm) | : | 400x300    |
| Refresh frequency      | : | adjustable |
| Module resolution      | : | 40x30px    |
| LED drive method       | : | dynamic    |
| Module material        | : | aluminum   |
| Module type            | : | sealed     |
| PCB type               | : | multilayer |
| PCB surface coating    | : | humiseal   |

### PANEL SPECIFICATIONS

|                                       |   |                          |
|---------------------------------------|---|--------------------------|
| Panel material                        | : | aluminum                 |
| Panel paint                           | : | ES powder coated         |
| Panel dimensions (mm)                 | : | 1.600x900                |
| IP level                              | : | IP67 front and rear      |
| Panel weight                          | : | <40 kg                   |
| Panel resolution                      | : | 160x90                   |
| Pixel density (pcs/sqm)               | : | 10.000                   |
| Viewing angle (horizontal x vertical) | : | >120° x 120°             |
| Minimum viewing distance              | : | >10m                     |
| 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                        | : | 25% min.                 |
| Panel installation type               | : | Fixed installation       |
| Cooling                               | : | Passive cooling          |

### OTHER

|                         |   |                     |
|-------------------------|---|---------------------|
| Max input resolution    | : | FHD, UHD, 4K, 8K    |
| Standard video sources  | : | 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                 |

Ürün görseli buraya

- ☐ New generation full-flip chip microLED technology
- ☐ Adjustable brightness optionally up to 6.500 nits
- ☐ Production level calibration for best color uniformity
- ☐ Aluminum fanless design for high performance under extreme conditions
- ☐ Lightweight for easy adaptation and low cost framework design
- ☐ Lower power consumption with common-cathode technology

Yaşam tarzı / araba görseli buraya

LEDGARANTI STADIUM  
LED SOLUTIONS

- 1- Panel dimensions can change upon customer request
- 2- That value is the remain capacity of PSU's at 100% brightness and white color content
- 3- Different types of video input available as option

## IDEAL FOR

Stadium Arena & Sports Hall Scoreboard Perimeter Board Live Events Broadcast

## ADVANCED FEATURES

|              |                   |             |                 |                  |                    |                |                 |
|--------------|-------------------|-------------|-----------------|------------------|--------------------|----------------|-----------------|
| Front Access | Lightweight       | Slim        | Temp Monitoring | Smoke Monitoring | Voltage Monitoring | Remote Control | Easy To Install |
| Wide Angle   | High Refresh Rate | Transparent | Noiseless       | Calibration      | Pixel Detection    | Fanless        |                 |