echran®
led display

ECLSBFL1.2

ECHRAN OUTDOOR FINE PITCH SOLUTIONS

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

10.000:1
Contrast

16bit
Grayscale

3.840Hz
Refresh Rate

General
Operating environment	outdoor
Pixel pitch	1.25mm
Service type	front and rear access
Calibrated brightness (nits)	3.800nits
Lamp type	Flip-Chip Micro
Lifespan (hours at %50 brightness)	>80.000hours
White color calibration (adj.)	3.500K~8.500K
Gray scale	>24bits
Brightness control	256 level

Module Specifications
Module dimensions (mm)	160x360
Refresh frequency	3.840Hz
Module resolution	128x288px
LED drive method	dynamic
Module material	aluminum
Module type	sealed
PCB type	multilayer
Surface coating	UV resistant & high contrast

Panel Specifications
Panel material	aluminum
Panel paint	ES powder coated
Panel dimensions (mm)[1]	640x360
Panel depth	70mm
IP level	IP65 rear
Panel weight	8.5kg
Panel resolution	512x288px
Pixel density (pcs/sqm)	640.000
Viewing angle (horizontal x vertical)	175° x 160°
Minimum viewing distance	>1.2m
Operating temperature range	-20℃ ~ +40℃
Storage temperature range	-30℃ ~ +60℃
Operating humidity	10% ~ 80% non-condensing
Power input voltage	100 ~ 240 VAC
Power input frequency	50~60Hz
Average power per sqm	<200W
Max power per sqm	<600W
Active PFC	YES
Load tolerance[2]	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling without fan

Other
Max input resolution	FHD, UHD, 4K, 8K
Standard video sources[3]	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, FCC

Options
Contrast ratio	10.000:1
Higher Brightness - CLX	6.500nits
Corner installation	N/A

*The mechanical and electronic specification options are available.

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

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