CITYLINE DAOMP01.2CL

OUTDOOR FINE PITCH LED SCREENS FOR DIGITAL OUT-OF-HOME MESSAGING & PROFFESSIONAL INSTALLATIONS







- 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

LEDECA OUTDOOR FINE PITCH SOLUTIONS



General Operating environment	outdoor
Pixel pitch	1.25mm
Service type	front and rear access
· · ·	3.800nits
Calibrated brightness (nits)	
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 contras
Panel Specifications	OV ICSISTANTE & HIGH CONTRAS
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°C ~ +40°C
Storage temperature range	-30°C ~ +60°C
Operating humidity	10% ~ 80% non-condensin
Power input voltage	100 ~ 240 VAC
Power input frequency	50~60Hz
Average power per sqm	<200W
	<600W
Max power per sqm	
Active PFC	YES
Load tolerance ²	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling without far
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
	YES
Signal path backup	
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	
- p	
Contrast ratio	10.000:1
•	10.000:1 6.500nits

- 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

Monitoring

Smoke Monitoring

Monitoring

Remote Control

Easy To Install

Wide Angle

High Refresh Rate

Noiseless

Calibration



Fanless



































CITYLINE DAOMP01.5CL

OUTDOOR FINE PITCH LED SCREENS FOR DIGITAL OUT-OF-HOME MESSAGING & PROFFESSIONAL INSTALLATIONS







- 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

LEDECA OUTDOOR FINE PITCH SOLUTIONS



General	
Operating environment	outdoor
Pixel pitch	1.53mm
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	104x232px
LED drive method	dynamic
Module material	aluminum
Module type	sealed
PCB type	multilayer
Surface coating	UV resistant & high contras
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	416x232px
Pixel density (pcs/sqm)	418.888
Viewing angle (horizontal x vertical)	175° x 160°
Minimum viewing distance	>1.5m
Operating temperature range	-20°C ~ +40°C
Storage temperature range	-30°C ~ +60°C
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
- ''	Passive cooling without far
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
	Optional
Power saving mode	YES
Power saving mode	
Certification	CE-EMC, CE-LVD, RoHS, FCC
Options	10,000.1
Contrast ratio	10.000:1
Higher Brightness - CLX	6.500nits N/A
Corner installation	

- 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

Monitoring

Smoke Monitoring

Voltage Remote Monitoring Control





















Pixel































outdoor

1.86mm

3.800nits

front and rear access

Flin-Chin Micro

>80.000hours

3.500K~8.500K >24bits

160x360

86x192px

dynamic

sealed

UV resistant & high contrast

aluminum

640x360

IP65 rear

8.5ka

344x192nx

175° x 160°

-20°C ~ +40°C

10% ~ 80% non-condensing

<200W

YES

25% min.

Passive cooling without fan

Fixed installation

-30°C ~ +60°C

100 ~ 240 VAC

50~60Hz

286 666

ES powder coated

3.840Hz

multilayer

FHD, UHD, 4K, 8K All digital formats Automatic & manual Optional YES YES Optional YES

YES CAT or Fiber Optic YES Optional

CE-EMC, CE-LVD, RoHS, FCC

Options

Contrast ratio 10.000:1 Higher Brightness - CLX 6.500nits Corner installation

- 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

*The mechanical and electronic specification options are available.

3- Different types of video input available as option



General

Pixel pitch

Service type

I amp type

Gray scale Brightness control **Module Specifications** Module dimensions (mm)

Refresh frequency

Module resolution

LED drive method

Module material Module type

Surface coating

Panel paint

Panel depth IP level

Panel weight

Panel resolution

Pixel density (pcs/sam)

Viewing angle (horizontal x vertical)

Minimum viewing distance Operating temperature range

Storage temperature range

Operating humidity

Power input voltage

Active PFC

Coolina

Other

Load tolerance²

Power input frequency

Panel installation type

Max input resolution

Standard video sources³ Brightness adjustment

Death pixel monitoring

Temperature monitoring

Module monitorina

Smoke monitoring Voltage monitoring

Power redundancy Signal path backup

Signal transmission

Standby scheduling

Power on/off scheduling

Average power per sqm

Panel Specifications Panel material

Panel dimensions (mm)

PCB type

Operating environment

Calibrated brightness (nits)

Lifespan (hours at %50 brightness)

White color calibration (adj.)



DAOMP01.8CL

New generation full-flip chip microLED technology

CITYLINE

OUTDOOR FINE PITCH LED SCREENS FOR DIGITAL OUT-OF-HOME MESSAGING & PROFFESSIONAL INSTALLATIONS

- 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

LEDECA OUTDOOR FINE PITCH SOLUTIONS















Smoke



Voltage

Monitoring



Remote

Control





Easy To





High Refresh









Calibration



Pixel

Detection

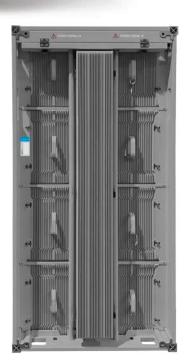




CITYLINE AOSP02.9CL

OUTDOOR LED SCREENS FOR DIGITAL OUT-OF-HOME MESSAGING AT EXTREME ENVIRONMENTS







- Aluminum fanless design for high performance under extreme conditions
- Adjustable brightness optionally up to 10.000nits
- Lower power consumption with common-cathode technology
- Lightweight for easy adaptation and low cost framework design
- Production level calibration for best color uniformity

A1 TELECOM SHOP WIEN / AUSTRIA



General	
Operating environment	outdoor
Pixel pitch	2.9mm
Service type	front and rear access
Calibrated brightness (nits)	5.000nits
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)	500x250
Refresh frequency	2.880Hz - 3.840Hz
Module resolution	172x86px
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	500x1.000
Panel depth	86mm
IP level	IP67 front, IP65 rear
Panel weight	<16kg
Panel resolution	172x344px
Pixel density (pcs/sqm)	118.336
Viewing angle (horizontal x vertical)	>160° x 140°
Minimum viewing distance	>3m
Operating temperature range	-20°C ~ +60°C
Storage temperature range	-25°C ~ +60°C
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50~60Hz
Average power per sqm	<140W
Max power per sqm	<650W
Active PFC	YES
Load tolerance ²	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling without fan
Other	r assive cooming vitalout lan
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	
Energy-friendly (Avarage/max	70W/350W
power per sqm)	6.500nits
Higher Brightness - CLX Corner installation	90-degree / curved

- **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

Noiseless







Temp





Smoke



Voltage



Remote



Easy To

Install





High Refresh









Calibration



Fanless

Pixel

Detection

A1 TELECOM SHOP WIEN / AUSTRIA





AOSP03.9CL



General	
Operating environment	outdoor
Pixel pitch	3.9mm
Service type	front and rear access
Calibrated brightness (nits)	5.500nits
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)	500x250
Refresh frequency	2.880Hz - 3.840Hz
Module resolution	128x64px
LED drive method	dynamic
Module material	aluminum
Module type	sealed
PCB type	multilayer
**	humiseal
PCB surface coating	numiseai
Panel Specifications	
Panel material	aluminum
Panel paint	ES powder coated
Panel dimensions (mm) ¹	500x1.000
Panel depth	86mm
IP level	IP67 front, IP65 rear
Panel weight	<16kg
Panel resolution	128x256px
Pixel density (pcs/sqm)	65.536
Viewing angle (horizontal x vertical)	>160° x 140°
Minimum viewing distance	>4m
Operating temperature range	-20°C ~ +60°C
Storage temperature range	-25°C ~ +60°C
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50~60Hz
Average power per sqm	<140W
Max power per sqm	<650W
Active PFC	YES
Load tolerance ²	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling without far
Other	r assive cooming manageral
Max input resolution	FHD, UHD, 4K, 8K
Standard video sources ³	All digital formats
Brightness adjustment	Automatic & manual
,	Optional
Death pixel monitoring 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	. ,
Energy-friendly (Avarage/max	70W/350W
nower ner sam)	
power per sqm) Higher Brightness - CLX	6.500nits
power per sqm) Higher Brightness - CLX Corner installation	6.500nits 90-degree / curved



²⁻ That value is the remain capacity of PSU's at 100% brightness and white color content

Calibration

3- Different types of video input available as option

Noiseless



CITYLINE

ENVIRONMENTS

OUTDOOR LED SCREENS FOR DIGITAL OUT-OF-HOME MESSAGING AT EXTREME









Temp

Monitoring

Aluminum fanless design for high performance under extreme conditions

Lower power consumption with common-cathode technology Lightweight for easy adaptation and low cost framework design

Adjustable brightness optionally up to 10.000nits

Production level calibration for best color uniformity



Smoke



Voltage

Monitoring



Remote



Easy To

Install



Wide Angle



High Refresh

Rate









Pixel

Detection



Fanless



CITYLINE

DAOSP05.7CL

OUTDOOR LED SCREENS FOR DIGITAL OUT-OF-HOME MESSAGING AT EXTREME ENVIRONMENTS







- Aluminum fanless design for high performance under extreme conditions
- Adjustable brightness optionally up to 10.000nits
- Lower power consumption with common-cathode technology
- Lightweight for easy adaptation and low cost framework design
- Production level calibration for best color uniformity

LES 2 ALPES



General

General	
Operating environment	outdoor
Pixel pitch	5.7mm
Service type	front and rear access
Calibrated brightness (nits)	8.500nits
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)	480x320
Refresh frequency	3.840Hz
Module resolution	84x56px
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	960x960
Panel depth	94mm
IP level	IP67 front, IP65 rear
Panel weight	<29kg
Panel resolution	168x168px
Pixel density (pcs/sqm)	30.625
Viewing angle (horizontal x vertical)	>160° x 140°
Minimum viewing distance	>5m
Operating temperature range	-20°C ~ +60°C
Storage temperature range	-25°C ~ +60°C
	10% ~ 90% non-condensing
Operating humidity	,
Power input voltage	110 ~ 240 VAC
Power input frequency	50~60Hz
Average power per sqm	<140W
Max power per sqm	<650W
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	
Energy-friendly (Avarage/max	70W/350W
	/ (// //)) (/ // /
power per sqm)	
	8.500nits
power per sqm)	

- **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





Temp Monitoring



























Pixel



































CITYLINE DAOSP06.6CL

OUTDOOR LED SCREENS FOR DIGITAL OUT-OF-HOME MESSAGING AT EXTREME ENVIRONMENTS

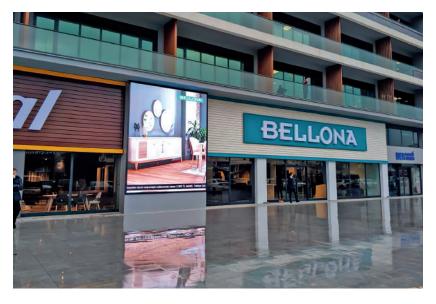






- Aluminum fanless design for high performance under extreme conditions
- Adjustable brightness optionally up to 10.000nits
- Lower power consumption with common-cathode technology
- Lightweight for easy adaptation and low cost framework design
- Production level calibration for best color uniformity

ISTIKBAL



General	
Operating environment	outdoor
Pixel pitch	6.67mm
Service type	front and rear access
Calibrated brightness (nits)	6.500nits
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)	480x320
Refresh frequency	3.840Hz
Module resolution	72x48px
I FD drive method	dynamic
Module material	aluminum
Module type	sealed
/'	multilayer
PCB type	
PCB surface coating	humiseal
Panel Specifications	
Panel material	aluminum
Panel paint	ES powder coated
Panel dimensions (mm) ¹	960x960
Panel depth	94mm
IP level	IP67 front, IP65 rear
Panel weight	<29kg
Panel resolution	144x144px
Pixel density (pcs/sqm)	22.500
Viewing angle (horizontal x vertical)	>160° x 140°
Minimum viewing distance	>6m
Operating temperature range	-20°C ~ +60°C
Storage temperature range	-25°C ~ +60°C
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50~60Hz
Average power per sqm	<140W
Max power per sqm	<650W
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
	YES
Temperature monitoring	
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	
Energy-friendly (Avarage/max power per sqm)	70W/350W
Higher Brightness - CLX	8.500nits
Corner installation	90-degree / curved

- **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

Smoke Temp Monitoring Monitoring













High Refresh





Noiseless



























Pixel

Fanless

DAOSP10.0CL

OUTDOOR LED SCREENS FOR DIGITAL OUT-OF-HOME MESSAGING AT EXTREME ENVIRONMENTS

CITYLINE







- Aluminum fanless design for high performance under extreme conditions
- Adjustable brightness optionally up to 10.000nits
- Lower power consumption with common-cathode technology
- Lightweight for easy adaptation and low cost framework design
- Production level calibration for best color uniformity

DIGITAL BILLBOARD ISTANBUL / TURKEY



General	
Operating environment	outdoor
Pixel pitch	10mm
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)	480x320
Refresh frequency	3.840Hz
Module resolution	48x32px
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	960x960
Panel depth	94mm
IP level	IP67 front, IP65 rear
Panel weight	<29kg
Panel resolution	96x96px
Pixel density (pcs/sgm)	10.000
Viewing angle (horizontal x vertical)	>160° x 140°
Minimum viewing distance	>100 X 1 10
Operating temperature range	-20°C ~ +60°C
Storage temperature range	-25°C ~ +60°C
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50~60Hz
Average power per sqm	<140W
Max power per sqm	<650W
Active PFC	YES
Load tolerance ²	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling without fan
Other	r assive cooling without lair
Max input resolution	FHD, UHD, 4K, 8K
Standard video sources ³	All digital formats
Brightness adjustment	Automatic & manual
Death pixel monitoring	Optional
	YES
Module monitoring Temperature monitoring	YES
,	
Smoke monitoring	Optional YES
Voltage monitoring	
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	
Energy-friendly (Avarage/max	70W/350W
Energy-friendly (Avarage/max power per sqm)	
Energy-friendly (Avarage/max	70W/350W 10.000nits 90-degree / curved

- **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





Smoke Temp Monitoring Monitoring















































Pixel