ARENA
LDCISP06.6AR
LED SCREENS OPTIMIZED FOR SPORT VENUES

Compact LEDECA

- Rubber louvers and rubber padding (impact protection)
- Cost effective LED screen panels for sport venues
- Customized wide viewing angle mask structure
- High level vandalism protection with strong PC surface
- Patented mask structure to prevent injures
- Strong aluminum structure with passive cooling

KUZEYBORU VOLEYBOL
AKSARAY / TURKEY

General

Operating environment	indoor
Pixel pitch	6.6mm
Service type	rear access
Calibrated brightness (nits)	1.000nits
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)	320x160
Refresh frequency	3.840Hz
Module resolution	48x24px
LED drive method	dynamic
Module material	plastic (PC)
Module type	apparent
PCB type	multilayer
PCB surface coating	humiseal

Panel Specifications

Panel material	galvanized steel sheet
Panel paint	ES powder coated
Panel dimensions (mm)1	960x960
IP level	IP22 front and rear
Panel weight	<40kg
Panel resolution	144x144
Pixel density (pcs/sqm)	22.500
Viewing angle (horizontal x vertical)	>120° x 120°
Minimum viewing distance	>6m
Operating temperature range	0°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 tolerance²	25% min.
Panel installation type	Fixed installation
Cooling	Internal fan

Other

Max input resolution	FHD, UHD, 4K, 8K
Standard video sources³	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

*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

Apron Teknoloji AS. reserves the right to change any product specification, discontinue of any product or services without prior notice

ARENA
LDCISP08.0AR
LED SCREENS OPTIMIZED FOR SPORT VENUES

Compact LEDECA

- Rubber louvers and rubber padding (impact protection)
- Cost effective LED screen panels for sport venues
- Customized wide viewing angle mask structure
- High level vandalism protection with strong PC surface
- Patented mask structure to prevent injures
- Strong aluminum structure with passive cooling

RWANDA PERIMETER
RWANDA

General

Operating environment	indoor
Pixel pitch	8mm
Service type	rear access
Calibrated brightness (nits)	1.000nits
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)	320x160
Refresh frequency	3.840Hz
Module resolution	40x20px
LED drive method	dynamic
Module material	plastic (PC)
Module type	apparent
PCB type	multilayer
PCB surface coating	humiseal

Panel Specifications

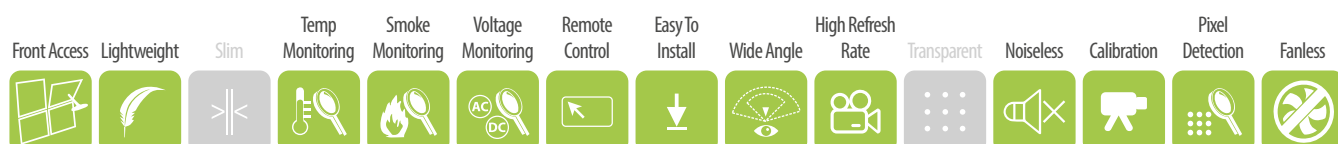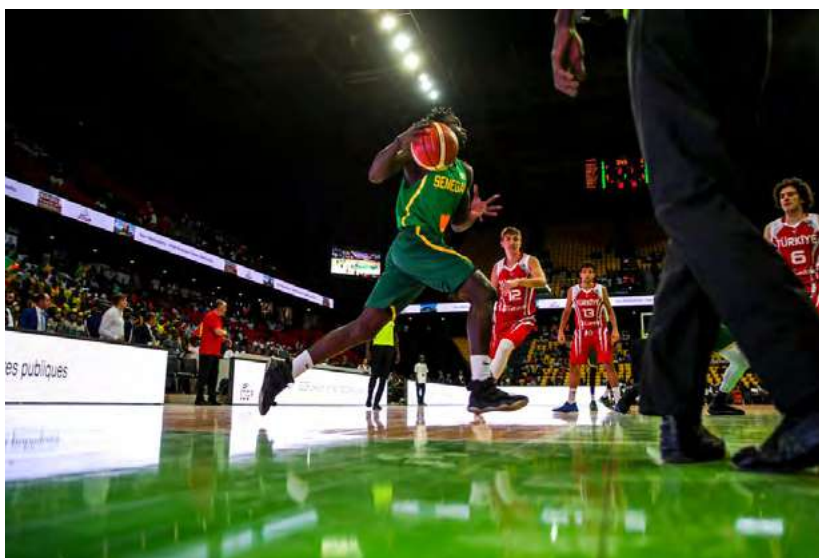|	
Panel material	galvanized steel sheet
Panel paint	ES powder coated
Panel dimensions (mm)1	960x960
IP level	IP22 front and rear
Panel weight	<40kg
Panel resolution	120x120
Pixel density (pcs/sqm)	15.625
Viewing angle (horizontal x vertical)	>120° x 120°
Minimum viewing distance	>8m
Operating temperature range	0°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 tolerance²	25% min.
Panel installation type	Fixed installation
Cooling	Internal fan

Other

Max input resolution	FHD, UHD, 4K, 8K
Standard video sources³	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

*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

LEDECA

ARENA
LDCOSP06.6AR
LED SCREENS OPTIMIZED FOR SPORT VENUES

Compact LEDECA

- Rubber louvers and rubber padding (impact protection)
- Cost effective LED screen panels for sport venues
- Customized wide viewing angle mask structure
- High level vandalism protection with strong PC surface
- Patented mask structure to prevent injures
- Strong aluminum structure with passive cooling

DAKAR ARENA PERIMETER
DAKAR / SENEGAL

General

Operating environment	outdoor
Pixel pitch	6.6mm
Service type	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)	320x160
Refresh frequency	3.840Hz
Module resolution	48x24px
LED drive method	dynamic
Module material	plastic (PC)
Module type	apparent
PCB type	multilayer
PCB surface coating	humiseal

Panel Specifications

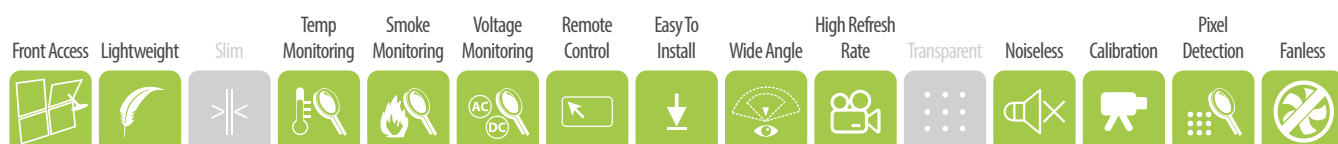|	
Panel material	aluminum
Panel paint	ES powder coated
Panel dimensions (mm)1	960x960
IP level	IP67 front and IP54 rear
Panel weight	<40kg
Panel resolution	144x144
Pixel density (pcs/sqm)	22.500
Viewing angle (horizontal x vertical)	>120° x 120°
Minimum viewing distance	>6m
Operating temperature range	-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[2]	25% min.
Panel installation type	Fixed installation
Cooling	Internal 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

*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

Apron Teknoloji AS. reserves the right to change any product specification, discontinue of any product or services without prior notice

LEDECA

ARENA
LDCOSP08.0AR
LED SCREENS OPTIMIZED FOR SPORT VENUES

Compact
LEDECA

- Rubber louvers and rubber padding (impact protection)
- Cost effective LED screen panels for sport venues
- Customized wide viewing angle mask structure
- High level vandalism protection with strong PC surface
- Patented mask structure to prevent injures
- Strong aluminum structure with passive cooling

BOZSIK STADIUM
BUDAPEST / HANGARY

General

Operating environment	outdoor
Pixel pitch	8mm
Service type	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)	320x160
Refresh frequency	3.840Hz
Module resolution	40x20px
LED drive method	dynamic
Module material	plastic (PC)
Module type	apparent
PCB type	multilayer
PCB surface coating	humiseal

Panel Specifications

Panel material	aluminum
Panel paint	ES powder coated
Panel dimensions (mm)1	960x960
IP level	IP67 front and IP54 rear
Panel weight	<40kg
Panel resolution	120x120
Pixel density (pcs/sqm)	15.625
Viewing angle (horizontal x vertical)	>120° x 120°
Minimum viewing distance	>8m
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 tolerance²	25% min.
Panel installation type	Fixed installation
Cooling	Internal fan

Other

Max input resolution	FHD, UHD, 4K, 8K
Standard video sources³	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

*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

LEDECA

Apron Teknoloji AS. reserves the right to change any product specification, discontinue of any product or services without prior notice

ARENA
LDCOSP10.0AR

LED SCREENS OPTIMIZED FOR SPORT VENUES

Compact LEDECA

- Rubber louvers and rubber padding (impact protection)
- Cost effective LED screen panels for sport venues
- Customized wide viewing angle mask structure
- High level vandalism protection with strong PC surface
- Patented mask structure to prevent injures
- Strong aluminum structure with passive cooling

JAPOMA STADIUM
JAPOMA / CAMEROON

General

Operating environment	outdoor
Pixel pitch	10mm
Service type	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)	320x160
Refresh frequency	3.840Hz
Module resolution	32x16px
LED drive method	dynamic
Module material	plastic (PC)
Module type	apparent
PCB type	multilayer
PCB surface coating	humiseal

Panel Specifications

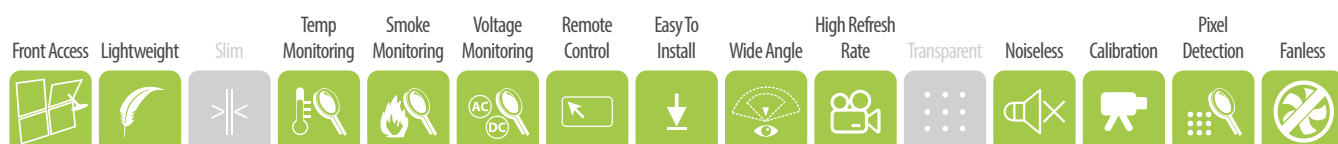|	
Panel material	aluminum
Panel paint	ES powder coated
Panel dimensions (mm)1	960x960
IP level	IP67 front and IP54 rear
Panel weight	<40kg
Panel resolution	96x96
Pixel density (pcs/sqm)	10.000
Viewing angle (horizontal x vertical)	>120° x 120°
Minimum viewing distance	>10m
Operating temperature range	-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 tolerance²	25% min.
Panel installation type	Fixed installation
Cooling	Internal fan

Other

Max input resolution	FHD, UHD, 4K, 8K
Standard video sources³	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

*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

LEDECA