ULTRA
LDSISP00.9UL

SMALL PIXEL PITCH LED DISPLAYS FOR HIGH PRECISION & HIGH DEFINITION & HIGH RESOLUTION LED WALL PROJECTS

Smart LEDECA

- Ultra quality for ultra high definition requirements
- Optimized for meeting room and broadcast studio installations
- Fanless design without noise
- Super high gray scale and refresh rate
- High reliability and stability for 7/24 operation
- Special mask design to reduce moire effect in broadcast studio projects

NTV BROADCAST STUDIO
ISTANBUL / TURKEY

General

Operating environment	indoor
Pixel pitch	0,93mm
Service type	front and rear access
Calibrated brightness (nits)	>700nits
Lamp type	4in1 MiniLED
Lifespan (hours at %50 brightness)	>100.000hours
White color calibration (adj.)	3.000K~8.500K
Gray scale	>16bits
Brightness control	256 level

Module Specifications

Refresh frequency	3.840Hz
LED drive method	dynamic
Module material	aluminum
Module type	apparent
PCB type	multilayer
PCB surface coating	humiseal

Panel Specifications

Panel material	aluminum
Panel dimensions ⁽ᵐᵐ⁾¹	600x337.5
Diagonal size	27"[16:9]
Panel weight	<8kg
Panel resolution	640x360px
Pixel density (pcs/sqm)	1.137.777
Viewing angle (horizontal x vertical)	>175° x 175°
Minimum viewing distance	>1m
Operating temperature range	0℃ ~ +50℃
Storage temperature range	-20℃ ~ +60℃
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50 ~ 60 Hz
Average power per sqm	<80W
Max power per sqm	<400W
Active PFC	YES
Load tolerance²	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling

Other

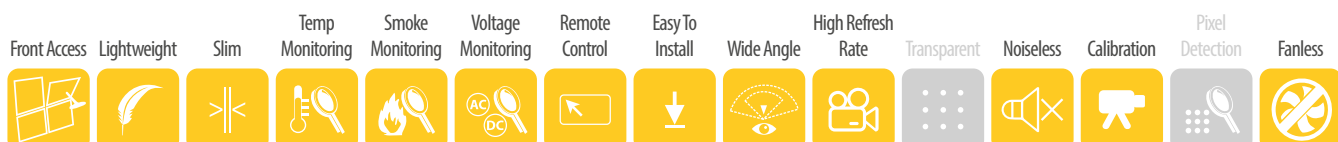|	
Max input resolution	FHD, UHD, 4K, 8K
Standard video sources³	All digital formats
Brightness adjustment	Automatic & manual
Death pixel monitoring	Optional
Module monitoring	YES
Temperature monitoring	YES
Smoke monitoring	Optional
Voltage monitoring	YES
Power redundancy	N/A
Signal path backup	YES
Signal 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

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LDSISP01.2UL

SMALL PIXEL PITCH LED DISPLAYS FOR HIGH PRECISION & HIGH DEFINITION & HIGH RESOLUTION LED WALL PROJECTS

Smart LEDECA

General

Operating environment	indoor
Pixel pitch	1.25mm
Service type	front and rear access
Calibrated brightness (nits)	>700nits
Lamp type	SMD
Lifespan (hours at %50 brightness)	>100.000hours
White color calibration (adj.)	3.000K~8.500K
Gray scale	>16bits
Brightness control	256 level

Module Specifications

Refresh frequency	3.840Hz
LED drive method	dynamic
Module material	aluminum
Module type	apparent
PCB type	multilayer
PCB surface coating	humiseal

Panel Specifications

Panel material	aluminum
Panel dimensions (mm)[1]	600x337.5
Diagonal size	27"[16:9]
Panel weight	<8kg
Panel resolution	480x270px
Pixel density (pcs/sqm)	640.000
Viewing angle (horizontal x vertical)	>175° x 175°
Minimum viewing distance	>1.2m
Operating temperature range	0℃ ~ +50℃
Storage temperature range	-20℃ ~ +60℃
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50 ~ 60 Hz
Average power per sqm	<80W
Max power per sqm	<400W
Active PFC	YES
Load tolerance[2]	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling

Other

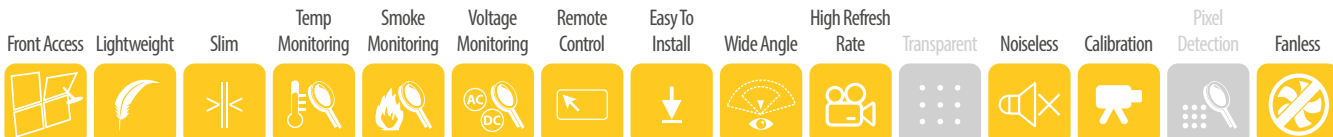|	
Max input resolution	FHD, UHD, 4K, 8K
Standard video sources[3]	All digital formats
Brightness adjustment	Automatic & manual
Death pixel monitoring	Optional
Module monitoring	YES
Temperature monitoring	YES
Smoke monitoring	Optional
Voltage monitoring	YES
Power redundancy	N/A
Signal path backup	YES
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

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NTV BROADCAST STUDIO
ISTANBUL / TURKEY

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

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SMALL PIXEL PITCH LED DISPLAYS FOR HIGH PRECISION & HIGH DEFINITION & HIGH RESOLUTION LED WALL PROJECTS

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TRT WORLD BROADCAST STUDIO
LONDON / UK

General

Operating environment	indoor
Pixel pitch	1.56mm
Service type	front and rear access
Calibrated brightness (nits)	>700nits
Lamp type	SMD
Lifespan (hours at %50 brightness)	>100.000hours
White color calibration (adj.)	3.000K~8.500K
Gray scale	>16bits
Brightness control	256 level

Module Specifications

Refresh frequency	3.840Hz
LED drive method	dynamic
Module material	aluminum
Module type	apparent
PCB type	multilayer
PCB surface coating	humiseal

Panel Specifications

Panel material	aluminum
Panel dimensions (mm)¹	600x337.5
Diagonal size	27"[16:9]
Panel weight	<8kg
Panel resolution	384x216px
Pixel density (pcs/sqm)	409.600
Viewing angle (horizontal x vertical)	>175° x 175°
Minimum viewing distance	>1.5m
Operating temperature range	0℃ ~ +50℃
Storage temperature range	-20℃ ~ +60℃
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50 ~ 60 Hz
Average power per sqm	<80W
Max power per sqm	<400W
Active PFC	YES
Load tolerance²	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling

Other

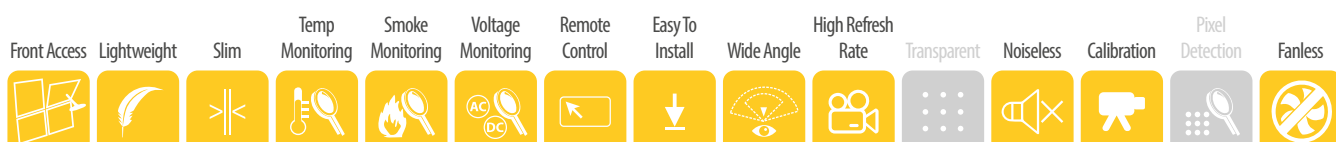|	
Max input resolution	FHD, UHD, 4K, 8K
Standard video sources³	All digital formats
Brightness adjustment	Automatic & manual
Death pixel monitoring	Optional
Module monitoring	YES
Temperature monitoring	YES
Smoke monitoring	Optional
Voltage monitoring	YES
Power redundancy	N/A
Signal path backup	YES
Signal 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

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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

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**SMALL PIXEL PITCH LED DISPLAYS FOR
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TRT WORLD BROADCAST STUDIO
LONDON / UK

General

Operating environment	indoor
Pixel pitch	1.87mm
Service type	front and rear access
Calibrated brightness (nits)	>700nits
Lamp type	SMD
Lifespan (hours at %50 brightness)	>100.000hours
White color calibration (adj.)	3.000K~8.500K
Gray scale	>16bits
Brightness control	256 level

Module Specifications

Refresh frequency	3.840Hz
LED drive method	dynamic
Module material	aluminum
Module type	apparent
PCB type	multilayer
PCB surface coating	humiseal

Panel Specifications

Panel material	aluminum
Panel dimensions (mm)[1]	600x337.5
Diagonal size	27"[16:9]
Panel weight	<8kg
Panel resolution	320x180px
Pixel density (pcs/sqm)	276.676
Viewing angle (horizontal x vertical)	>175° x 175°
Minimum viewing distance	>1.8m
Operating temperature range	0℃ ~ +50℃
Storage temperature range	-20℃ ~ +60℃
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50 ~ 60 Hz
Average power per sqm	<80W
Max power per sqm	<400W
Active PFC	YES
Load tolerance[2]	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling

Other

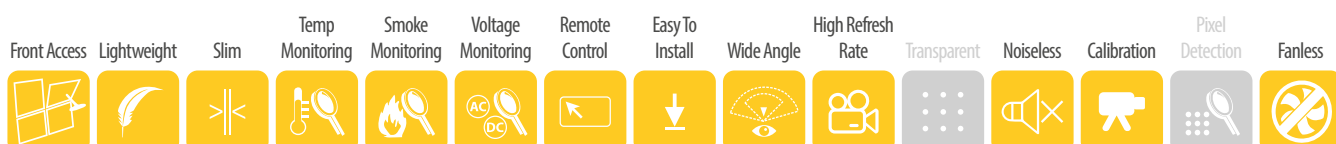|	
Max input resolution	FHD, UHD, 4K, 8K
Standard video sources[3]	All digital formats
Brightness adjustment	Automatic & manual
Death pixel monitoring	Optional
Module monitoring	YES
Temperature monitoring	YES
Smoke monitoring	Optional
Voltage monitoring	YES
Power redundancy	N/A
Signal path backup	YES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

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