

ULTRA LDAISP00.9UL

FULL FLIP CHIP MICROLED SCREEN PANEL FOR
HIGH PRECISION & HIGH DEFINITION
LEDWALL PROJECTS



- 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

MEAG HQ
MUNICH / GERMANY



General

| | |
|------------------------------------|-------------------------|
| Operating environment | indoor |
| Pixel pitch | 0,93mm |
| Service type | front access |
| Calibrated brightness (nits) | >700nits |
| Lamp type | Flip Chip COB Micro LED |
| 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°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 | <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 |

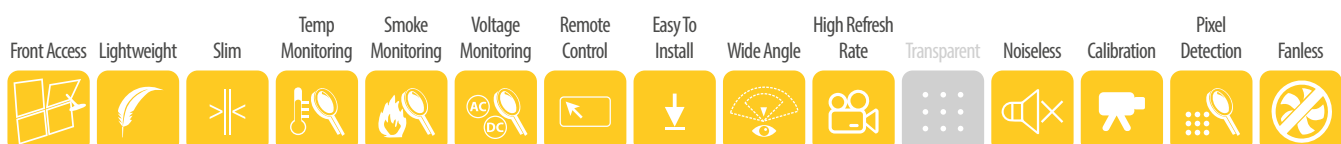
Options

*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



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

TECHNICAL SPECIFICATIONS

LEDECA

ULTRA LDAISP01.2UL

FULL FLIP CHIP MICROLED SCREEN PANEL FOR
HIGH PRECISION & HIGH DEFINITION
LEDWALL PROJECTS



- 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

MEETING ROOM İSTANBUL / TÜRKİYE



General

| | |
|------------------------------------|-------------------------|
| Operating environment | indoor |
| Pixel pitch | 1.25mm |
| Service type | front access |
| Calibrated brightness (nits) | >700nits |
| Lamp type | Flip Chip COB Micro LED |
| 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' | 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°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 | <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 |

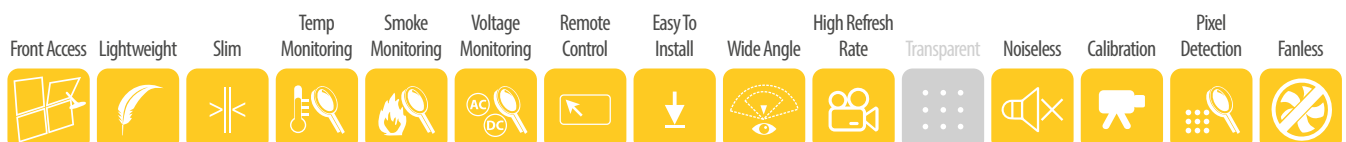
Options

*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



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

TECHNICAL SPECIFICATIONS

LEDECA

ULTRA LDAISP01.5UL

FULL FLIP CHIP MICROLED SCREEN PANEL FOR
HIGH PRECISION & HIGH DEFINITION
LEDWALL PROJECTS



- 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

MEAG HQ
MUNICH / GERMANY



General

| | |
|------------------------------------|-------------------------|
| Operating environment | indoor |
| Pixel pitch | 1.56mm |
| Service type | front access |
| Calibrated brightness (nits) | >700nits |
| Lamp type | Flip Chip COB Micro LED |
| 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°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 | <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 |

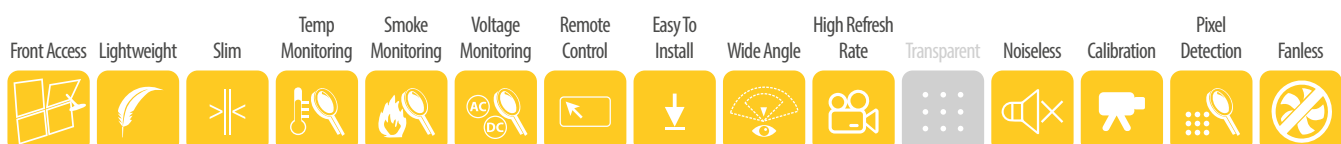
Options

*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



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

TECHNICAL SPECIFICATIONS

LEDECA

ULTRA LDAISP01.8UL

FULL FLIP CHIP MICROLED SCREEN PANEL FOR
HIGH PRECISION & HIGH DEFINITION
LEDWALL PROJECTS



- 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

MEETING ROOM İSTANBUL / TÜRKİYE



General

| | |
|------------------------------------|-------------------------|
| Operating environment | indoor |
| Pixel pitch | 1.87mm |
| Service type | front access |
| Calibrated brightness (nits) | >700nits |
| Lamp type | Flip Chip COB Micro LED |
| 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' | 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°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 | <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 |

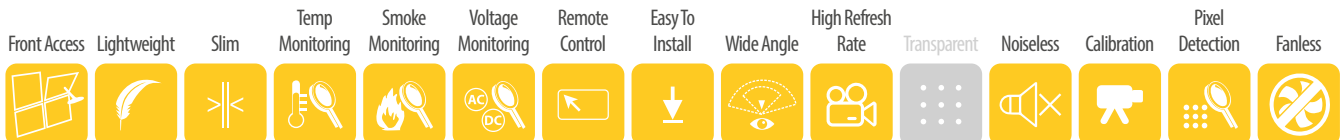
Options

*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



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

TECHNICAL SPECIFICATIONS

LEDECA