

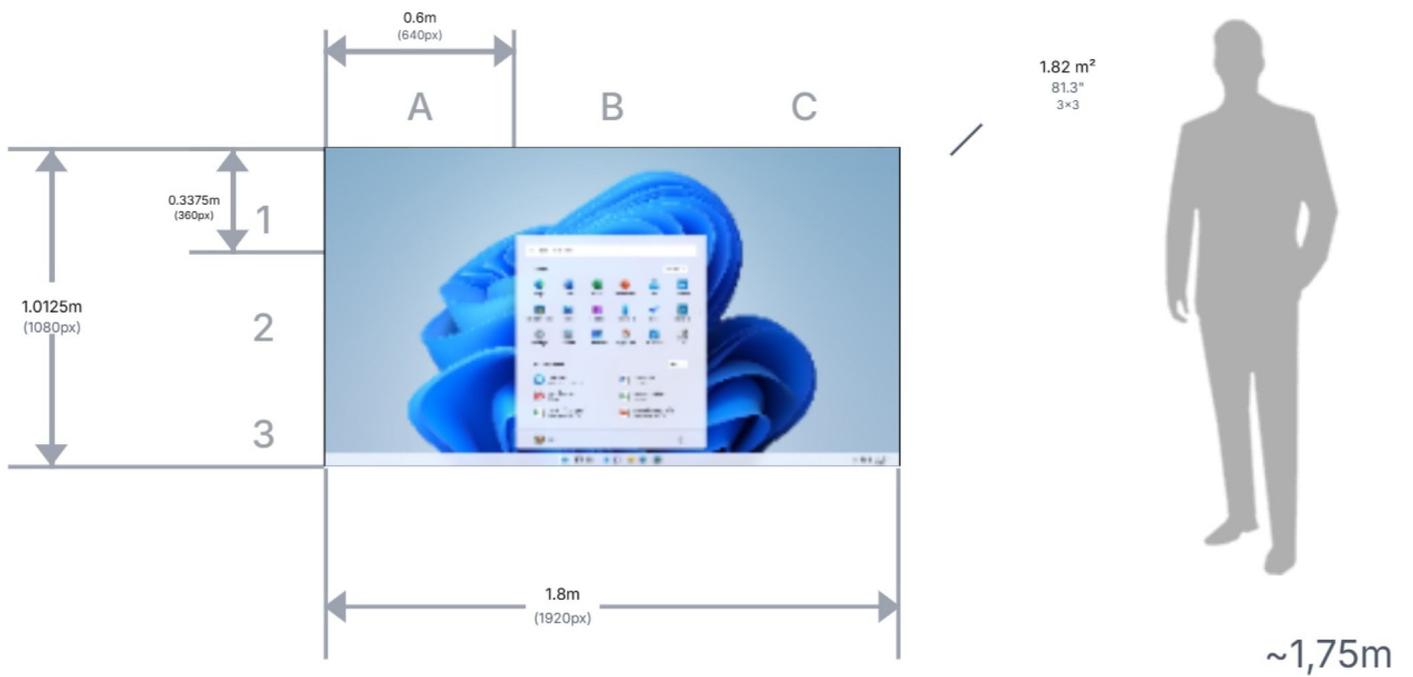
**MIRACLEWALL****Project / Screen****MiracleWall COB FHD 600 nit P1,25****Environment****Indoor****LED Screen****MiracleWALL P0.938 mm****Size / Area****1.82m² (81.3")**

Note: This document was generated as a initial reference and may contain inaccuracies. Details may change upon final project.

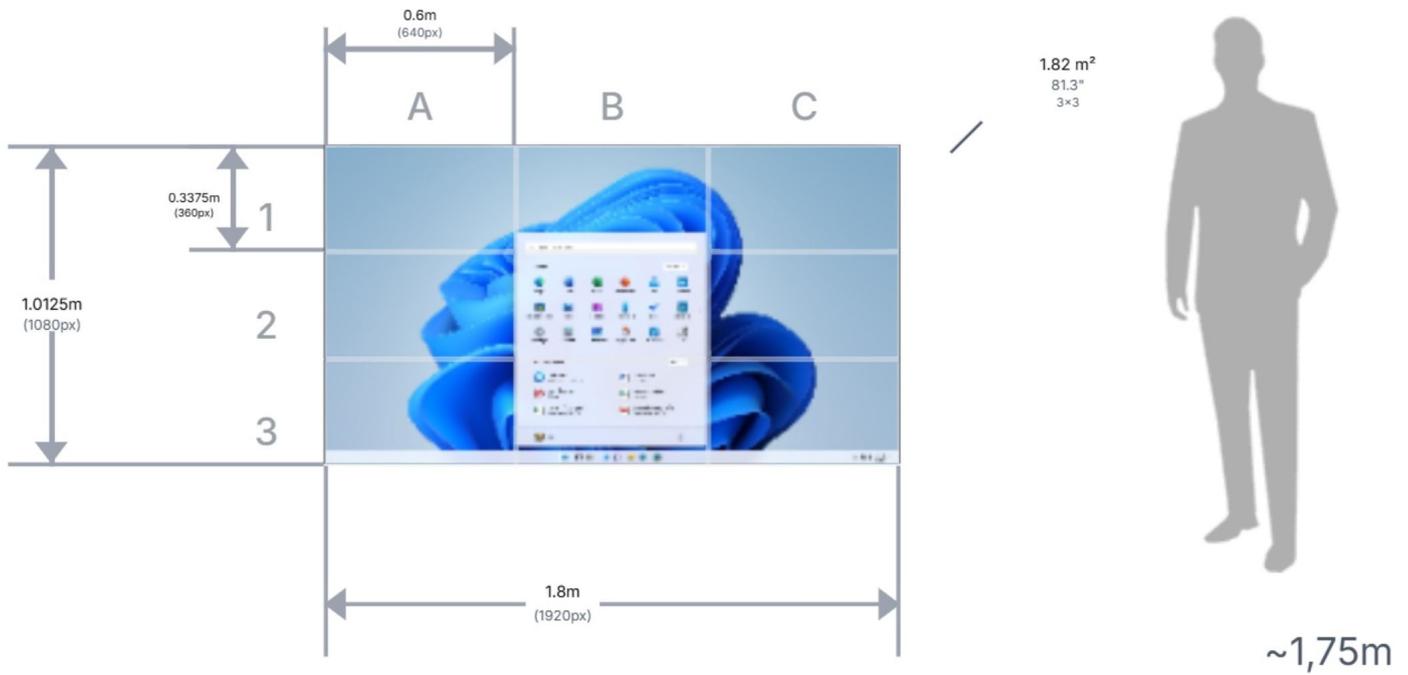
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Preview



Solution



SOLUTION DETAILS

| ITEM | MODEL | UNITS |
|-----------------|-----------------------|---------------|
| LED Cabinets | MiracleWALL P0.938 mm | 9 pcs |
| Video Processor | Novastar MX20 | 1 pcs |
| Signal cables | Ethernet (Main/Sub) | 5 pcs / 4 pcs |
| Power cables | Power (Main/Sub) | 1 pcs / 8 pcs |

Screen details

General

| | |
|----------------------------|-----------------------|
| Model | MiracleWALL P0.938 mm |
| Screen configuration (WxH) | 3 x 3 (9 pcs) |
| Number of controllers | 1 |
| Redundancy | No |

Dimensions

| | |
|--------------------|-------------------------|
| Dimensions (WxHxD) | 1 800 x 1 012,5 x 31 mm |
| Diagonal size | 81.3" |
| Display area | 1.82 m ² |
| Weight | 40.5 Kg |

Specifications

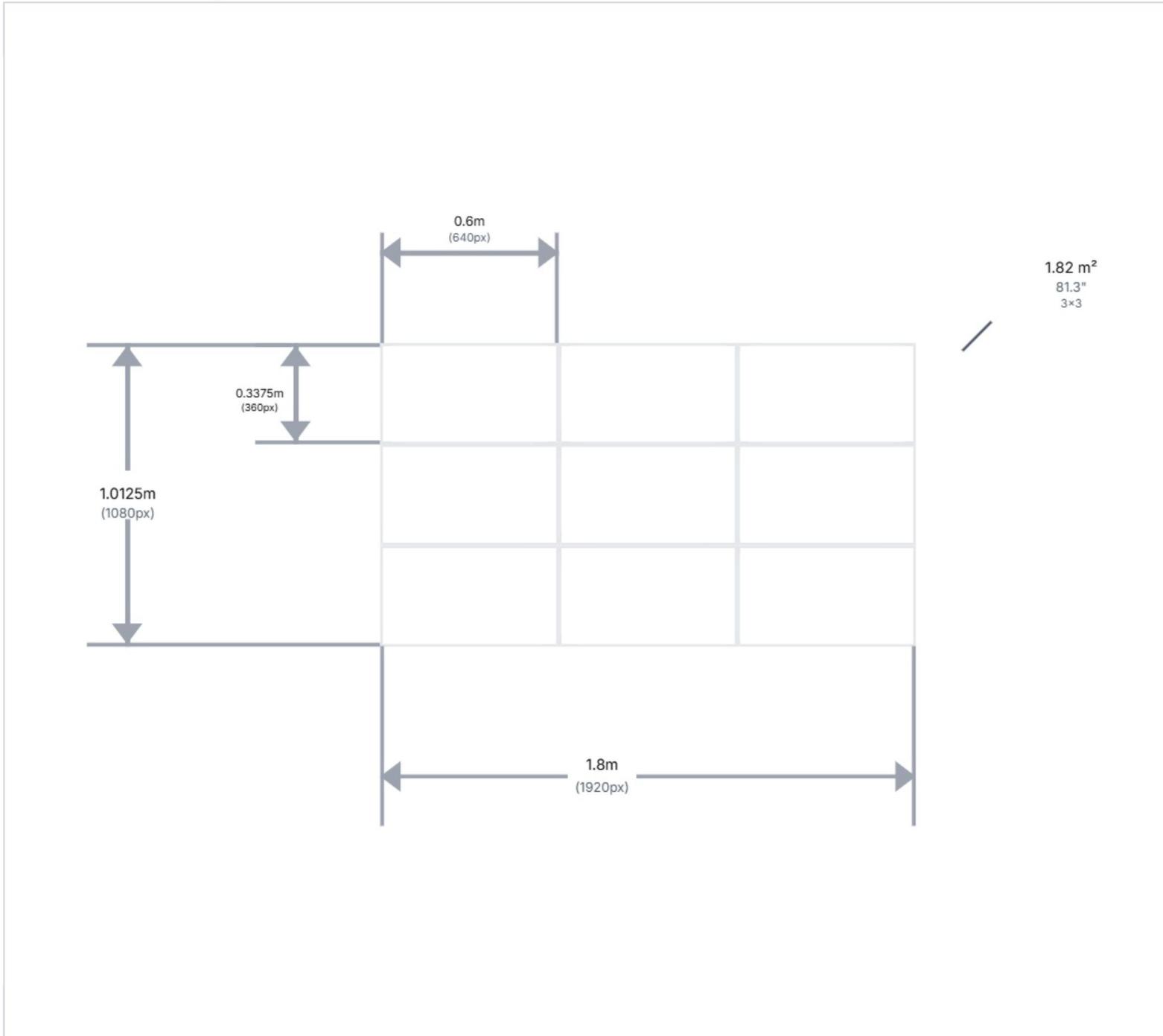
| | |
|---------------------|----------------|
| Pixel pitch | 0.938 mm |
| Screen resolution | 1920 x 1080 px |
| Aspect ratio | 16:9 |
| Total pixels | 2 073 600 px |
| Brightness | 600 nits |
| Refresh rate | 3840 Hz |
| Frame rate | 60 Hz |
| Viewing angle (H/V) | 170° / 170° |
| Contrast ratio | 1000000:1 |

Power requirements

| | |
|-------------------|--|
| Typical/Max | 227,813 / 674,325 W |
| Based on | 1.82 m ² × W/m ² |
| Operating voltage | 230V 50/60Hz |
| Power lines | 1 x 10 A |

Installation

| | |
|-------------|--------|
| Environment | Indoor |
|-------------|--------|

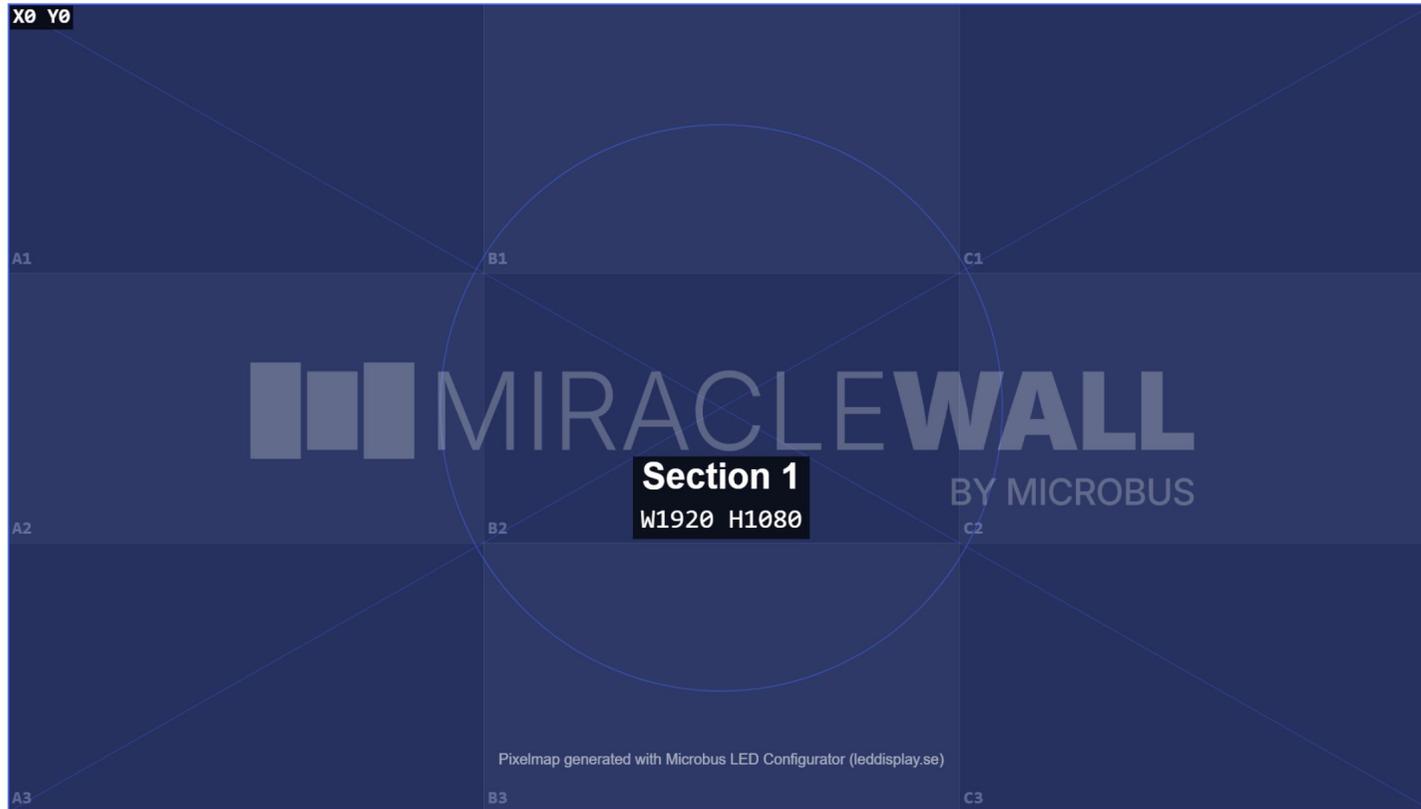


| Screen Details | |
|------------------|----------------------|
| Dimensions (WxH) | 1 800 x 1 012,5 mm |
| Depth | 31 mm |
| Weight | 40.5 kg |
| Area | 1.820 m ² |
| Cabinets (WxH) | 3 x 3 |

| LED Cabinet Details | |
|---------------------|----------------------|
| Dimensions (WxH) | 600 x 337.5 mm |
| Depth | 31 mm |
| Weight | 4.5 kg |
| Area | 0.203 m ² |

| # | A | B | C |
|---|----|----|----|
| 1 | A1 | B1 | C1 |
| 2 | A2 | B2 | C2 |
| 3 | A3 | B3 | C3 |

Note: This is not always accurate regarding calibration data. Doublecheck factory documents before install regarding specific order.



Sections

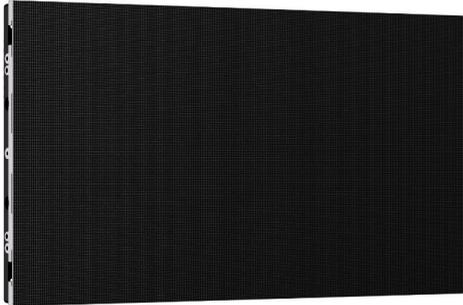
- **Section 1** X0 Y0 W1920 H1080

Sections 1
Display 1920 × 1080 px
Aspect ratio 16:9

Note: Not accurate to scale. This is scaled to fit PDF.

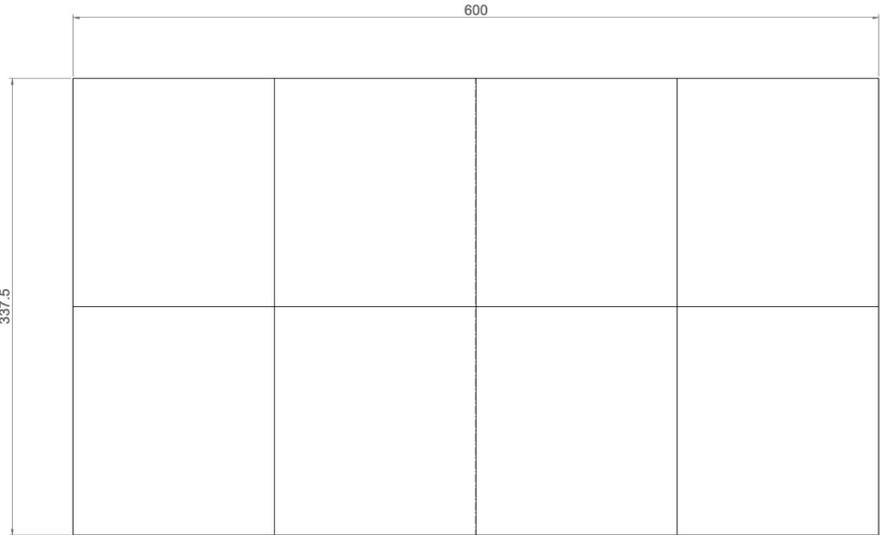
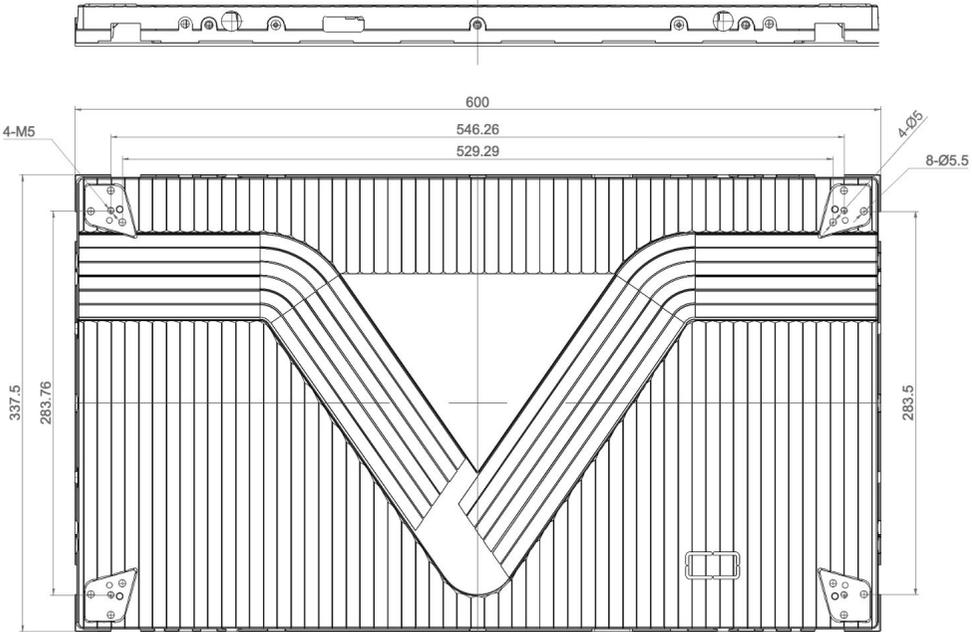
LED Cabinet

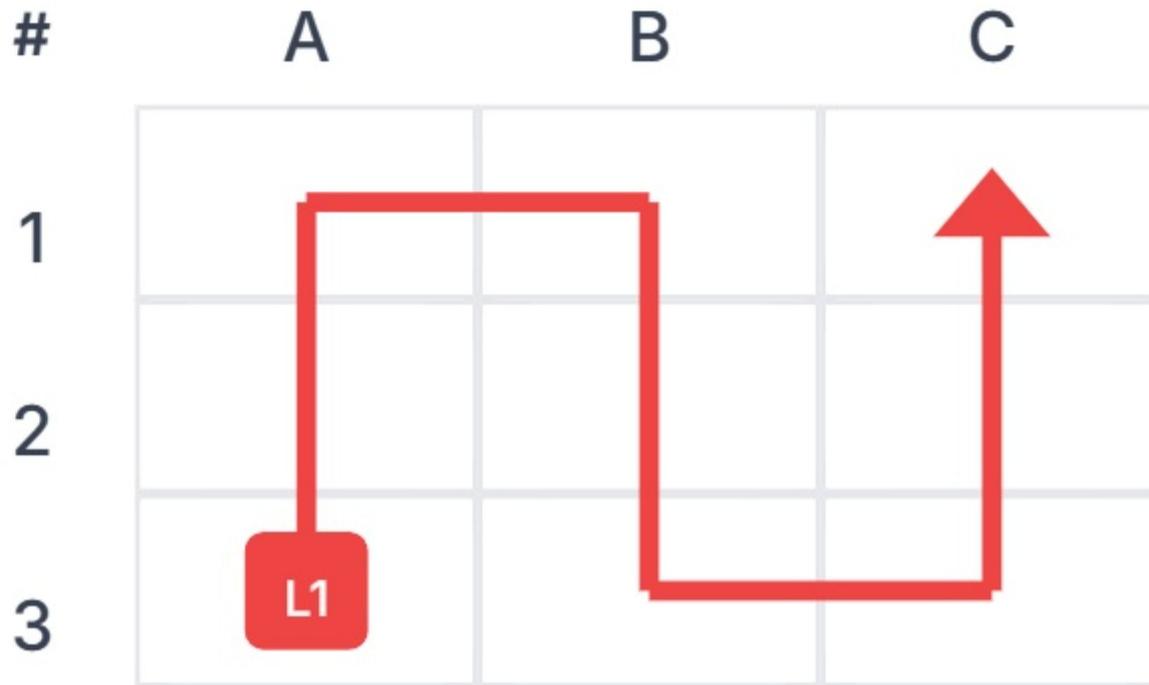
MiracleWALL P0.938 mm
INDOOR



MiracleWALL P0.938 mm

| | |
|------------------------|----------------------------|
| Pixel type | COB (Full Flip-Chip) |
| Pixel pitch | 0.938 mm |
| Dimensions (WxHxD) | 600 x 337.5 x 31 mm |
| Resolution (WxH) | 640 x 360 px |
| Weight | 4.5 kg |
| Brightness | 600 nits |
| Refresh rate | 3840 Hz |
| Frame rate | 60 Hz |
| Operating voltage | 110~240V 50/60Hz |
| Power consumption | 125 - 370 W/m ² |
| Receiving card | Novastar A8s Pro |
| Contrast ratio | 1000000:1 |
| Viewing angle (H/V) | 170° / 170° |
| Operating temperature | -10°C to 50°C |
| IP Rating (front/rear) | 54 / 30 |



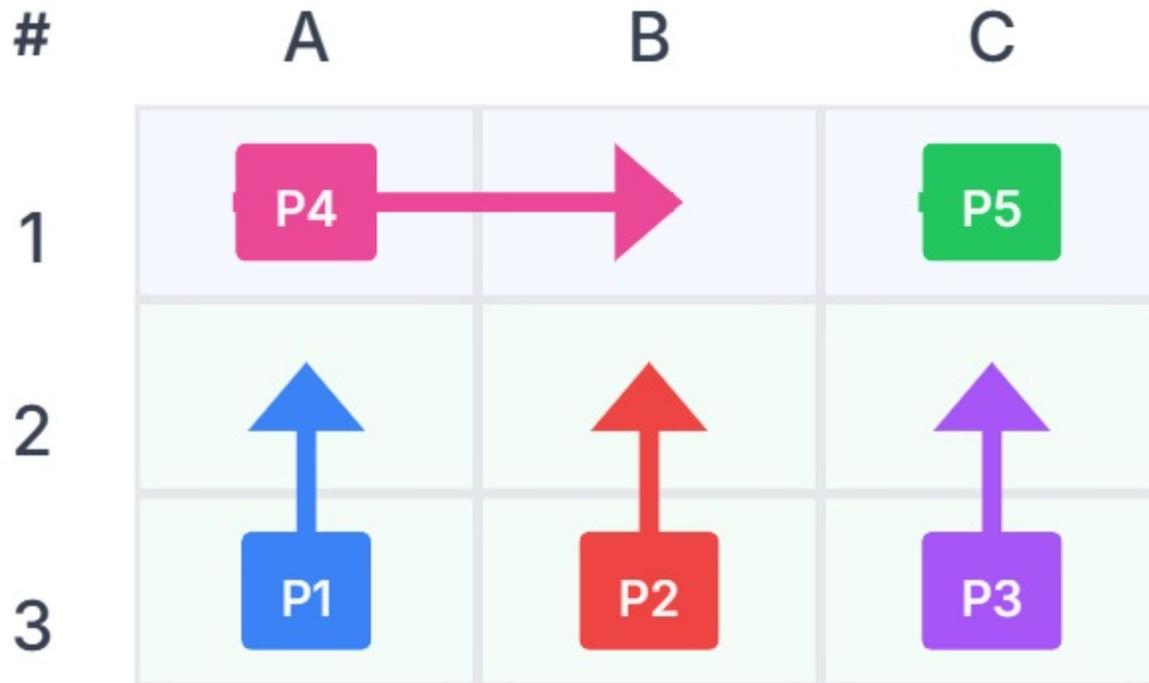


Electrical parameters

| | |
|--|---------------------|
| Power draw (avg-max) (from 1.82 m ² × W/m ²) | 227,813 - 674,325 W |
| Current (typical-max) | 0,99 - 2,932 A |
| Fuse rating | 10 A (2 300W) |
| Power lines | 1 |
| Max load on single line (spike) | 674,325 W |
| Input voltage | 230 V 50/60Hz |
| Breaker based on: | Type C |

Power Line Details (10 A @ 230V)

| LINE | PCS | AVERAGE WATT | MAX WATT | CURRENT | FUSE CAP. |
|------|-----|--------------|--------------|-------------|-----------|
| L1 | 9 | 472W (20.5%) | 674W (29.3%) | 2.05-2.93 A | 2300W |



Processing details

| | |
|--------------------------|----------------|
| Screen resolution | 1920 x 1080 px |
| Processor count | 1 |
| Redundancy | None |
| Total pixels for screen | 2 073 600 px |
| Total pixels per cabinet | 230 400 px |

Signal parameters

| | |
|----------------------------|--------------------|
| Network type | 1G |
| Capacity per port | 659 722 px |
| Signal main cables | 5 |
| Signal sub cables | 4 |
| Max load on single port | 460 800 px (69.8%) |
| Max cabinets used per port | 2 |

Image details

| | |
|----------------------------|-------|
| Color depth | 8 bit |
| Frame rate | 60 Hz |
| Low latency capable | No |
| Zero frame latency capable | No |

Signal Port Details (5 ports)

| SIGNAL | PCS | PIXELS (%) | SIGNAL | PCS | PIXELS (%) | SIGNAL | PCS | PIXELS (%) | SIGNAL | PCS | PIXELS (%) |
|--------|-----|---------------------|--------|-----|------------|--------|-----|------------|--------|-----|------------|
| P1 | 2 | 460 800 px (69.85%) | | | | | | | | | |
| P2 | 2 | 460 800 px (69.85%) | | | | | | | | | |
| P3 | 2 | 460 800 px (69.85%) | | | | | | | | | |
| P4 | 2 | 460 800 px (69.85%) | | | | | | | | | |
| P5 | 1 | 230 400 px (34.92%) | | | | | | | | | |

Video Processor



Novastar MX20

COEX



General

| | |
|---------------------------------|---------------|
| Model | Novastar MX20 |
| Max units to be cascaded | 20 |
| Communication protocol | ethernet |
| Max canvas size | 3840 x 2560 |
| Max total load capacity | 3,9 million |
| Max load capacity over Ethernet | 3,9 million |
| Max load capacity over Fiber | 3,9 million |
| Max load capacity per Ethernet | 659 722 px |

Features

| | | | |
|---------------------|-----|-----------------------|-----|
| All-in-one | Yes | Video splicer | No |
| Genlock | Yes | 10-bit support | Yes |
| Low latency | Yes | 12-bit support | No |
| Zero frame latency | Yes | HDR | No |
| Shutter fit | No | 3D LUT | No |
| Redundant PSU | No | HLG | No |
| Modular | No | 14ch Color Correction | Yes |
| Adaptive frame rate | Yes | Multiviewer (MVR) | No |

Inputs

| | |
|------------------------------|----------------|
| HDCP Support | 1.4 |
| Max Standard Input | 1920×1200@60Hz |
| Max Input Count | 3 |
| Max forced resolution width | 3840 px |
| Max forced resolution height | 3840 px |
| Max input frame rate | 144 Hz |
| Inputs | |

Outputs

| | |
|---------------------------|--------|
| Fiber support | Yes |
| Fiber ports | 2 |
| Ethernet ports on device | 6 |
| Ethernet ports over fiber | 6 |
| Ethernet ports per fiber | 6 |
| Network support | 1G |
| Max output framerate | 144 Hz |

1×3G-SDI, 2xHDMI1.3