

FEATURE UPDATE

# LED wall planning, from inputs to handoff

Refresh of the Cloudflex technical suite: incorporating single-screen live mapping, multi-manufacturer datasheets, and complete PDF drawing export.

SYS.MAP.v2 // CLOUDFLEX



IMAGE SOURCE: REPRESENTATIVE INSTALLATION  
ILLUSTRATIVE PURPOSE ONLY

# One screen. One live plan.

## STREAMLINED FOCUS

The calculator now prioritizes a single high-detail screen. Multi-section complexity is replaced by focused input stages.

## MANUFACTURER PRESETS

Integrated specification data for **QSTECH**, **Unilumin**, and **Absen** series. Starting points for pitch and cabinet dimensions.

## LIVE RESOLUTION

Enter the native cabinet matrix for an exact resolution output, or use pitch-based estimates during early planning.

|    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |

# The calculator does the coordination

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MAPPING BASIS

**10-bit / 60fps**

CONTROLLER MATCH

**Source-Backed**

SIGNAL ROUTES

**Serpentine**

HANDOFF

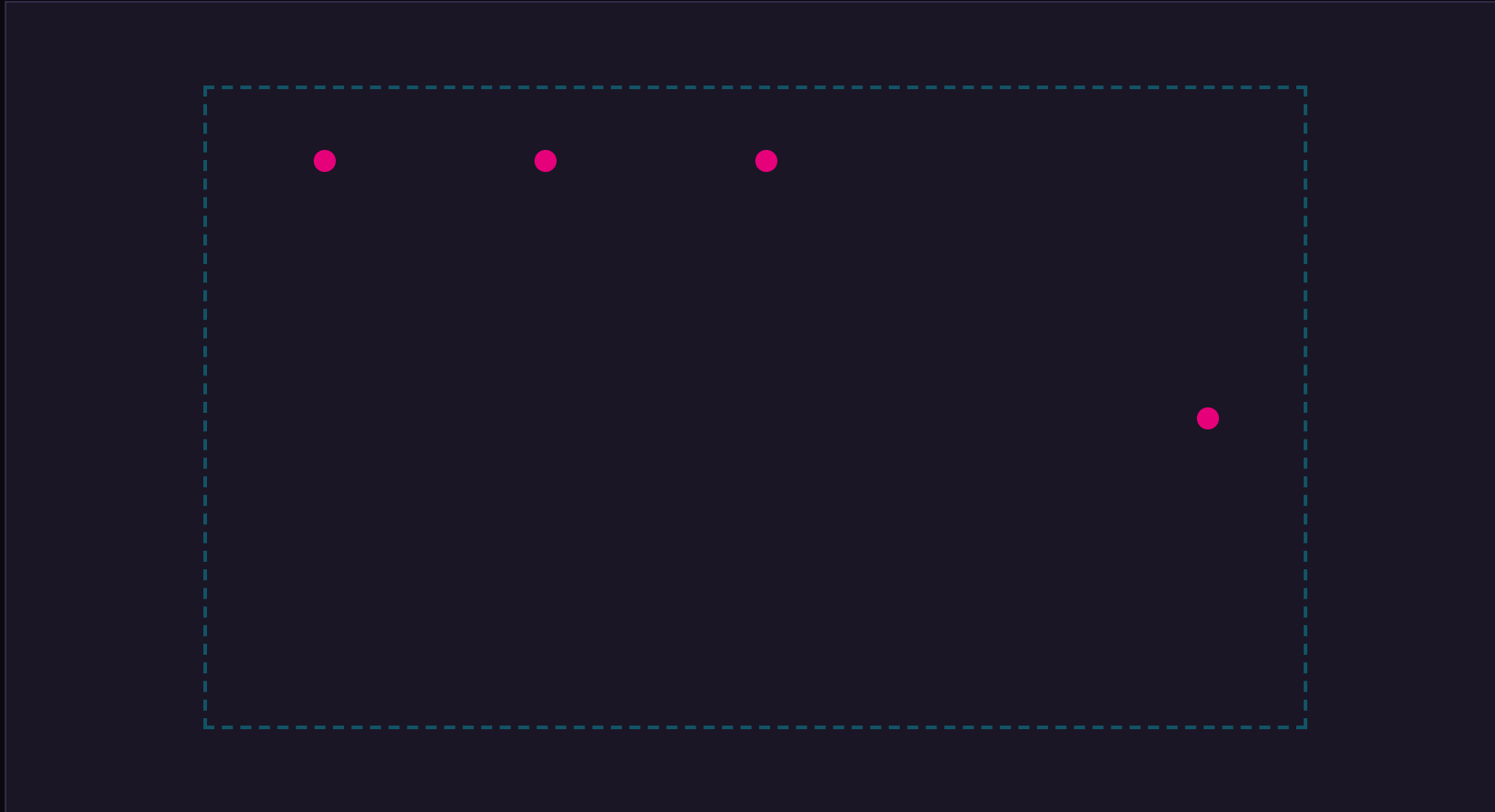
**Plan-Ready**

**Automatic Signal Mapping:** Deterministic cabinet sequencing from any corner to maximize port utilization.

**NovaStar Intelligence:** Real-time matching against per-port pixel limits and total unit capacities.

**Resource Estimates:** Data-cable counts and maximum electrical load calculations based on confirmed datasheet entries.

# Every cabinet stays in the drawing



## UNBOUNDED RENDERING

Artificial readability caps are removed. Plans with hundreds or thousands of cabinets render completely in the live SVG.

## TECHNICAL OVERLAYS

Color-coded output groups, directed route arrows, and cabinet-level ID/resolution labeling.

## VISUAL CLARITY

Route lanes are offset from text labels to ensure legibility on both screen and high-resolution print.

# One complete map. Paginated for print.



## Intelligent Tiling

Large drawings are automatically split into readable 3-column × 2-row tiles. No cabinet is too small to read.



## A3 Landscape Standard

Optimized for high-resolution engineering prints. Includes full project metadata and per-page legends.



## Verified Scalability

Tested with layouts exceeding 400 cabinets (80+ pages). Client-side generation ensures data privacy.

# Built for handoff—with clear boundaries

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- ! **Planning Estimates Only:** Calculations and generated drawings are for project coordination. They do not substitute for final manufacturer configuration or structural engineering approval.
- ! **Verification Required:** NovaStar matches and power loads are based on recorded limits. Always confirm current firmware, operating modes, and local electrical codes before procurement.
- ! **Source Fidelity:** Resolution data is estimated unless the native cabinet pixel matrix is explicitly confirmed via the exact variant datasheet.

**ACCESS TOOL //** [cloudflex-hlnar6b8.manus.space/led-wall-calculator](https://cloudflex-hlnar6b8.manus.space/led-wall-calculator)