CLW

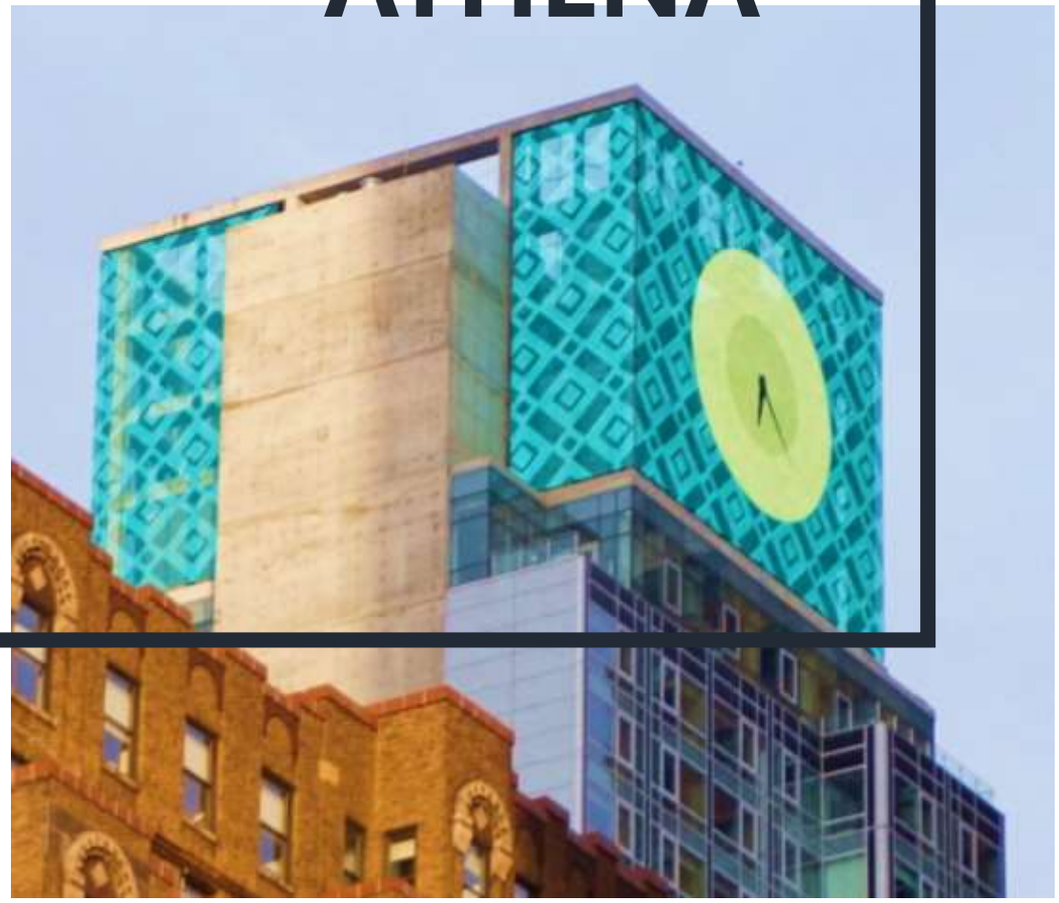
QSTECH

A CVTE COMPANY

ATHENA MESH

QSTECH Outdoor LED Mesh

ATHENA



QSTECH

QSTECH Outdoor LED Mesh Display Solution

HIGH-TRANSPARENT LED MESH, WIDE VISION FROM INSIDE OUT

Independently developed by QSTECH, ATHENA MESH LED display series owns features of light weight, high transparency, stable operation and high installation efficiency, which is perfect for display solutions on surface and roof of outdoor buildings. With huge display screen, LED mesh can naturally attract the people passing by, and thus to achieve better advertising effect. Especially in cases where there are requirements for building facade load-bearing, lighting and laws and regulations, LED mesh has become irreplaceable choice for outdoor advertising.

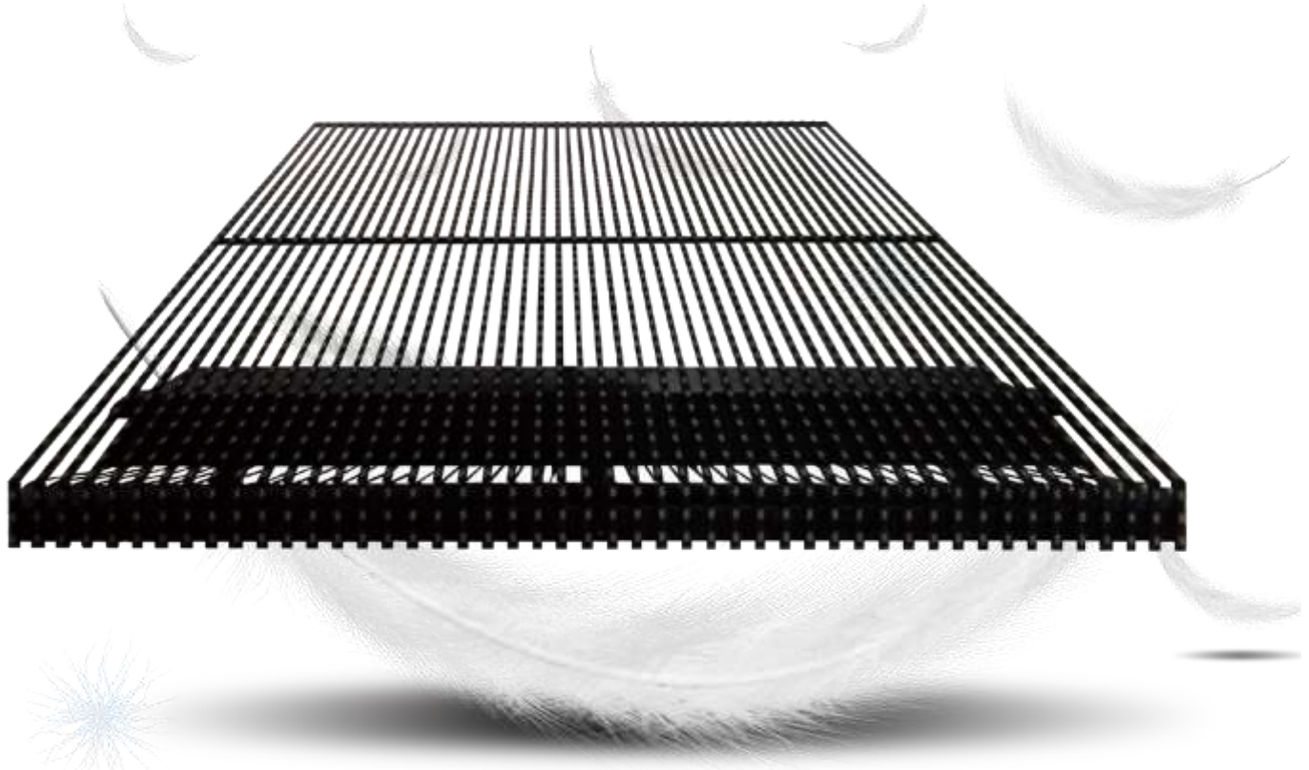
ATHENA MESH, your smart display solution for outdoor large-scale advertising.

ATHENA LED Mesh

- Efficient advertising medium
- High transparency lays no impact on indoor lighting
- High-quality components ensure stable performance
- Large viewing distance to attract more audience
- Free splicing enables flexible installation area

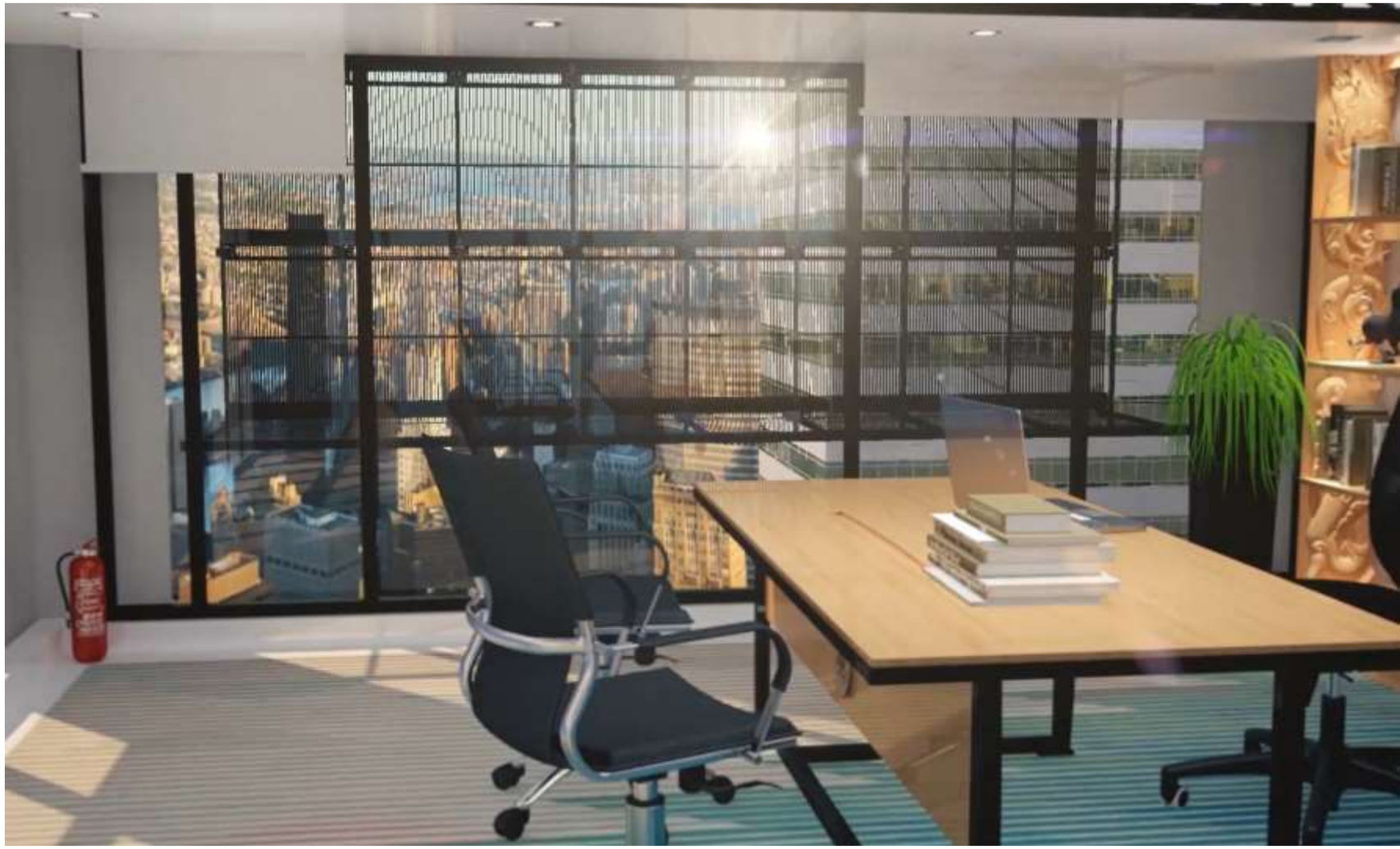
Light-weight Structure

- Aluminum profile structure, ultrathin cabinet
- Less load-bearing requirements for installation
- Less transportation and labor costs
- Aluminum profile LEDs bar brings high deformation resistance
- Better heat dissipation



High Transparency

- High transparency up to 67%
- Vertical LED bar design, free of dust and snow retention
- Ventilated structure improve wind withstands



High-quality Components

- Excellent displaying performance
- Lower failure rate, economic maintenance cost
- 10-years cooperation

MEAN WELL

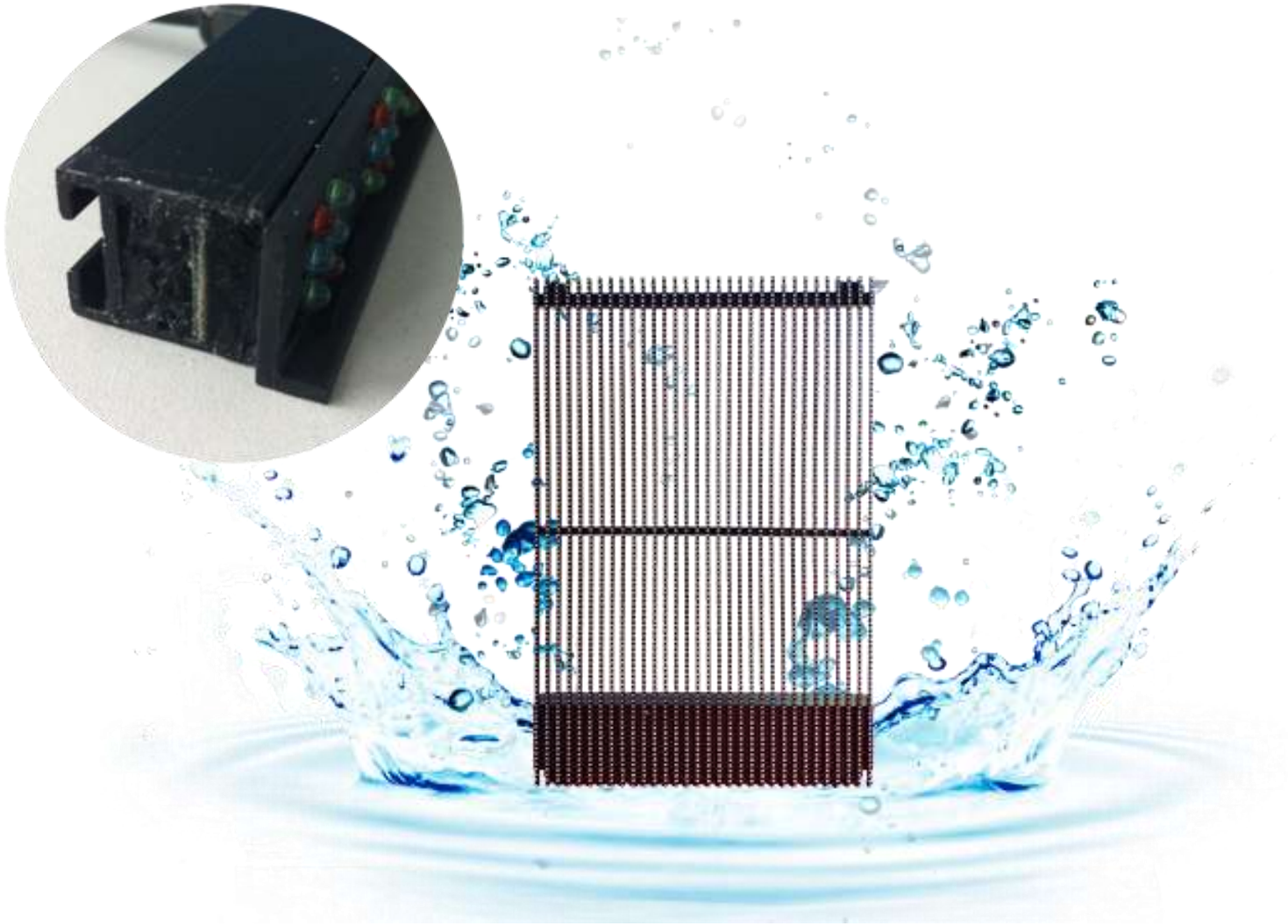
Macroblock

NOVASTAR

NICHIA

High IP Rating

- IP65 High IP rating.
- Double-sided potting for LEDs bar, ensuring outstanding water-proof performance
- Fully sealed structure for all-weather operation environment
- Water-proof, dust-proof, moist-proof and etc.

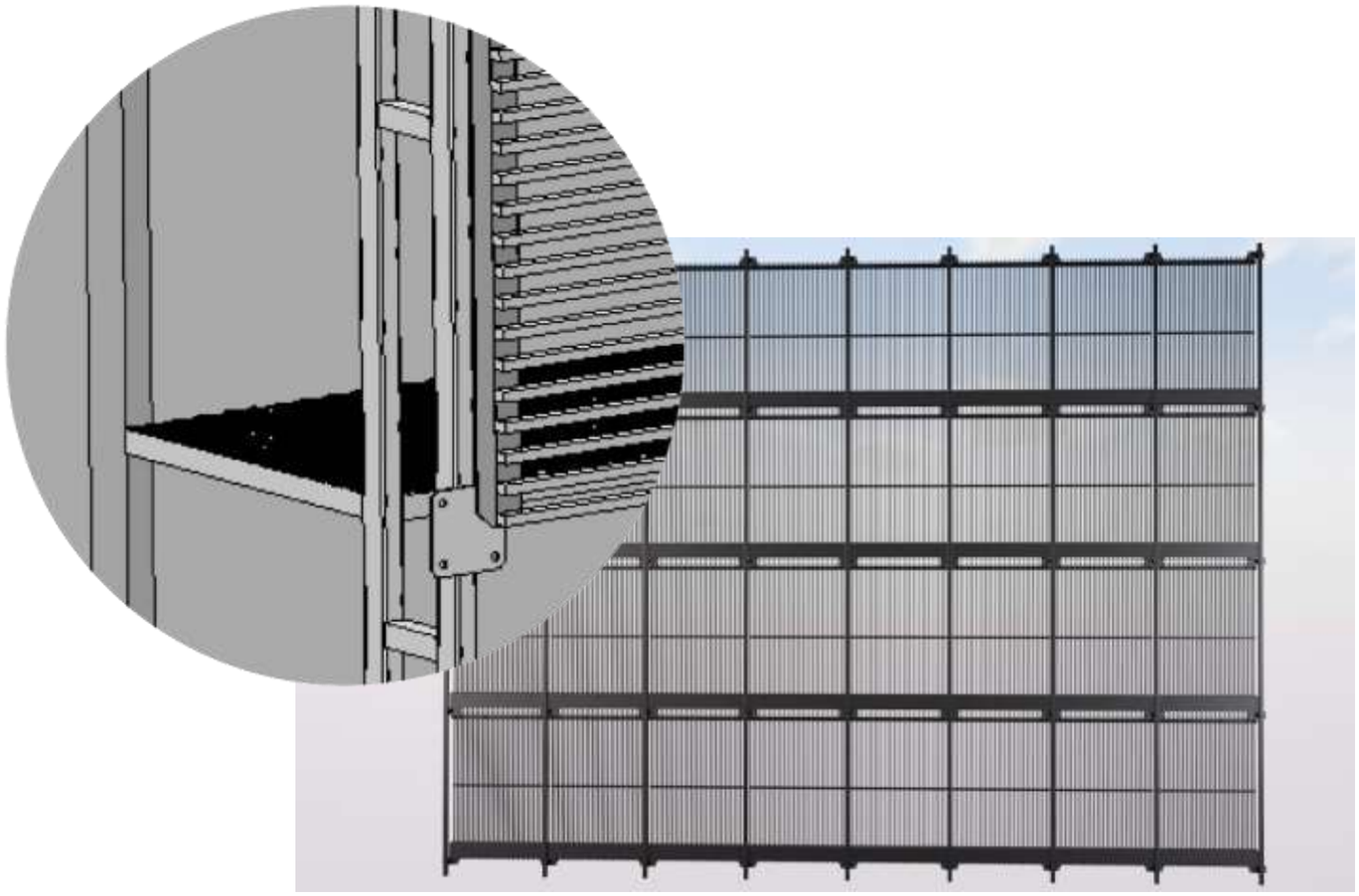


EMC Class B Certification

- Meet EMC rating of CE and FSO
- No impact on lives of nearby residents

Efficient Installation & Maintenance

- Large cabinet design enables effective installation
- Simple installation structure fixed by bolt
- Front and rear access



High Brightness & Refresh Rate

- Maximum Brightness > 6500 nits
- Refresh Rate > 1920Hz
- Sensitive to light changes and adjust brightness automatically

Creative Application

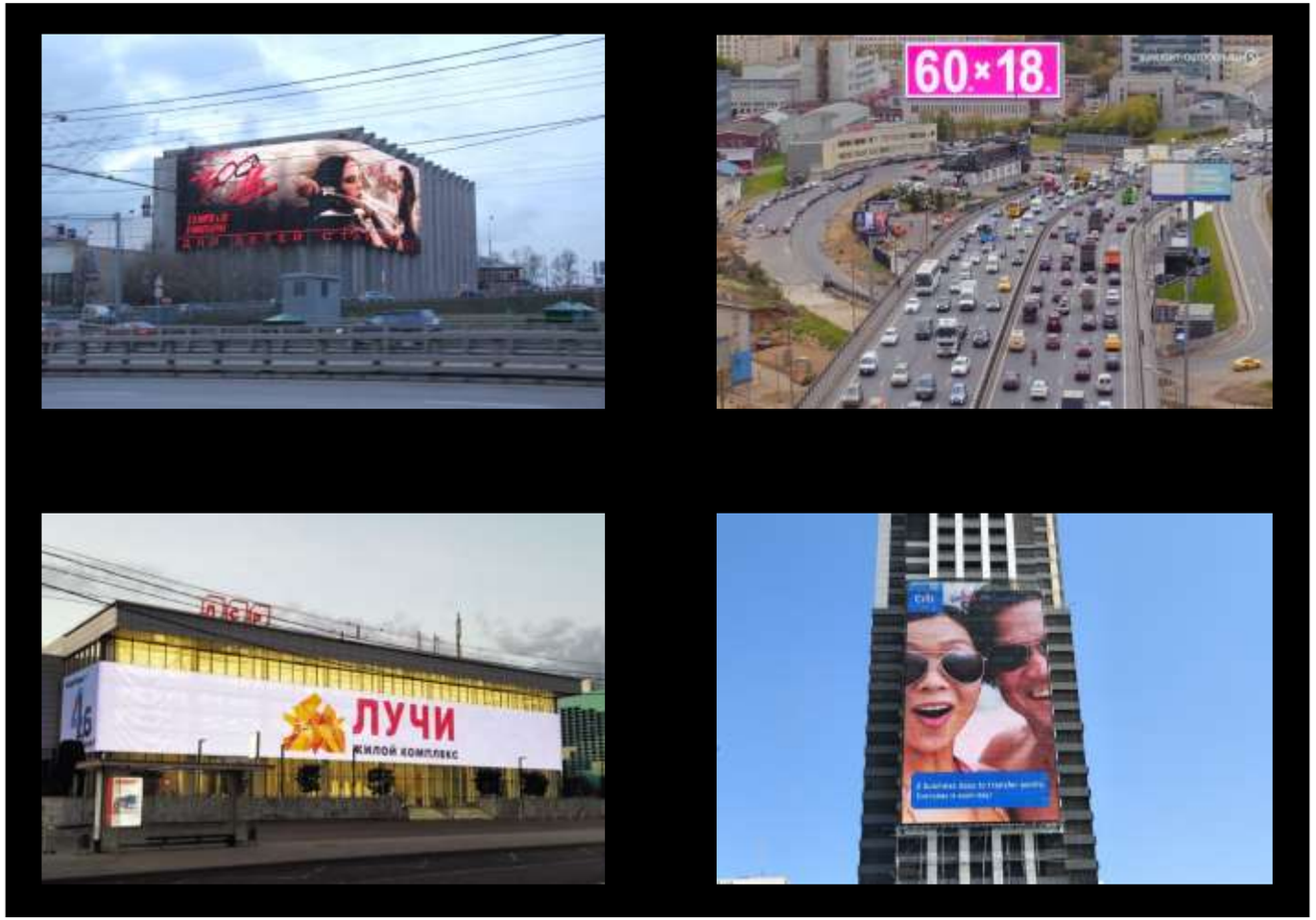
- Arc and cylinder cabinets are customizable to empower more creative displaying
- Width and height of cabinet can be customized based on project

Worry-free Packaging & Transportation

- Solid timber packaging case, safe and reliable
- Internal fixed structure to protect product from damages during transportation

Application Scenarios

- Exterior wall of buildings at traffic hub
- Exterior wall of large shopping mall
- The roof top of tall building



SPECIFICATIONS

Model	CT UC3115B	CT C313B	CT UC5025
LED Type	DIP	DIP	DIP
Pixel Pitch (mm)	31.25 / 15.625 CLASS B	31.25 CLASS B	50 / 25
Horizontal Pixel Pitch (mm)	31.25	31.25	50
Vertical Pixel Pitch (mm)	15.625	31.25	25
Pixel Composition	1R1G1B	2R2G2B	2R2G2B
LED Bonding Wire	Gold	Gold	Gold
Brightness (nits)	≥6500		
Refresh Rate (Hz)	≥1920		
Cabinet Size (W*H)	1000*1250	1000*1500	800*1600
Cabinet Resolution	32*80	32*48	16*64
Cabinet Material	Aluminium		
Power Consumption (Max. / Ave.) (W / ㎡)	316 / 106	254 / 85	254 / 85
Weight (kg)	14.5	14	16
Gray Scale (Bit)	14		
Viewing Angle (H/V)	100° / 55°		
Transmittance	67%	67%	70%
IP Rating	IP65		
Input Voltage (V)	AC100-240V 50/60Hz		
Maintenance	Front / Rear		
Operating Temperature / Humidity (℃ / RH)	-30~50 / 10~90%		

Creative Cases Collection

Moscow, Russia
Athena 50mm
1504 ×400 Pixels
75.2 m x 20 m
1500 sqm

Creative Cases Collection

Moscow, Russia
Athena 31.25mm
1920 ×576 Pixels
60 m x 18 m
1080 sqm

EMC Class B

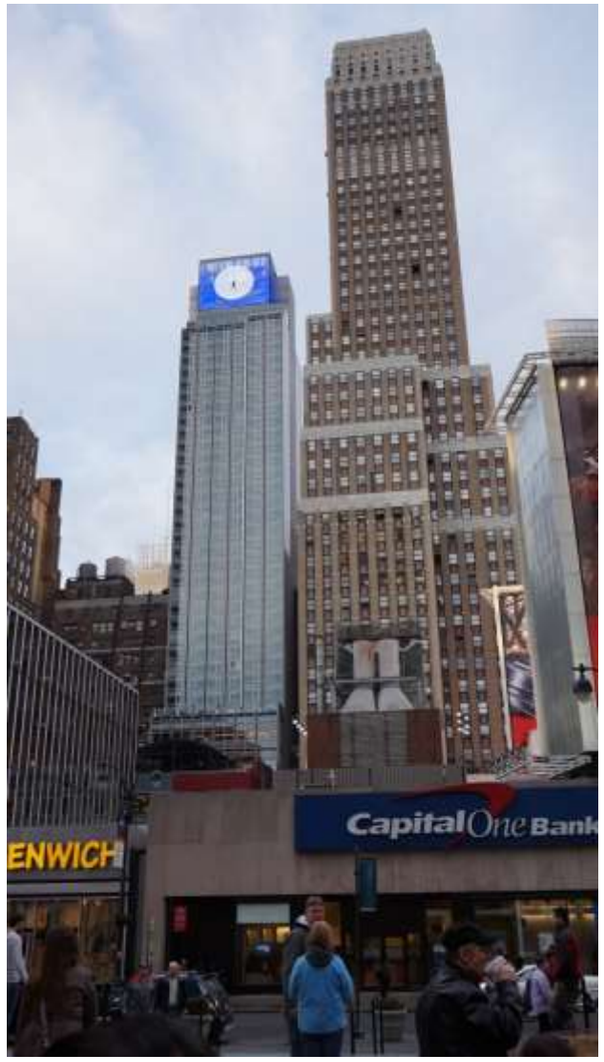
Creative Cases Collection

Manhattan, New York, USA

Marriott Renaissance Hotel

Athena 50mm

680 sqm

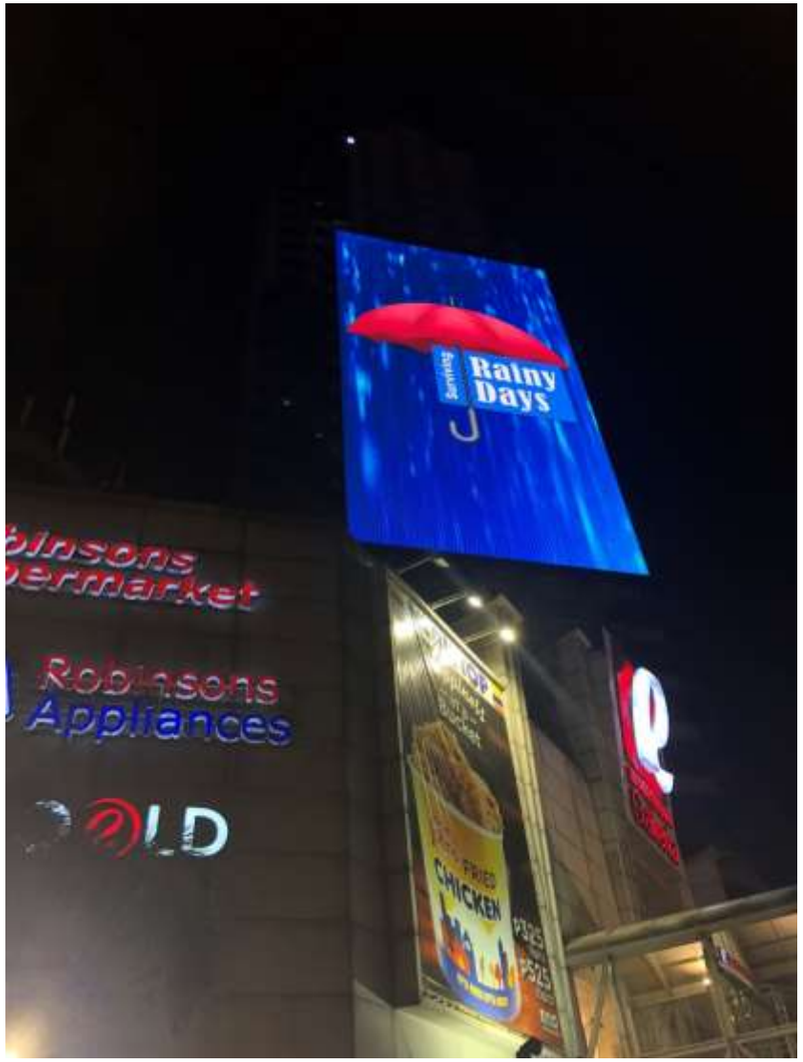


Creative Cases Collection

Moscow, Russia
Athena 50/25mm
440 × 368 Pixels
22 m x 9.2 m
202 sqm

Creative Cases Collection

Philippines
Athena 50mm
448 ×840 Pixels
22.4 m x 42 m
940 sqm



Creative Cases Collection

Moscow, Russia
Athena 31.25×15.625mm
1536 ×480 Pixels
48 m x 7.5 m
360 sqm

Moscow, Russia
Athena 31.25×15.625mm
2224 ×384 Pixels
69.5 m x 6 m
417 sqm

Creative Cases Collection

Moscow, Russia
krasnodar
Athena 50×25mm
224 ×608 Pixels
11.2 m x 15.2 m
170 sqm

Creative Cases Collection

Moscow, Russia
Athena
31.25×15.625mm
624 ×880 Pixels
19.5 m x 13.75 m
268 sqm

Creative Cases Collection

Finland
Athena 50mm
1600 ×800 Pixels
80 m x 4 米m
320 sqm

Netherlands
Athena 100×50mm
346 sqm

Creative Cases Collection

Netherlands

Athena 31.25×15.625mm

576 ×320 Pixels

18 m x 5 m

90 sqm

Brussels, Belgium

The European parliament

Athena 24mm

1552 ×128 Pixels

Creative Cases Collection

Novosibirsk, Russia
Athena 25×50mm
46 sqm

Berlin, Germany
DomAquaree/Radisson Hotel
Athena 50mm
720 ×320 Pixels

Creative Cases Collection

Salt lake, USA
Athena 30×25mm
128 ×432 Pixels
3.84 m x 10.8 m
42 sqm

Creative Cases Collection

Utah, USA
Athena 15.625mm
86 sqm

Creative Cases Collection

Shenyang, China
Changchun IFC
Athena 25mm
1200 ×344 Pixels
258 sqm

Guangdong, China
Guangzhou Parc Central
Athena 20mm
170 sqm

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