

LEDCOMPASS8 3K

8mm
pitch

IP65

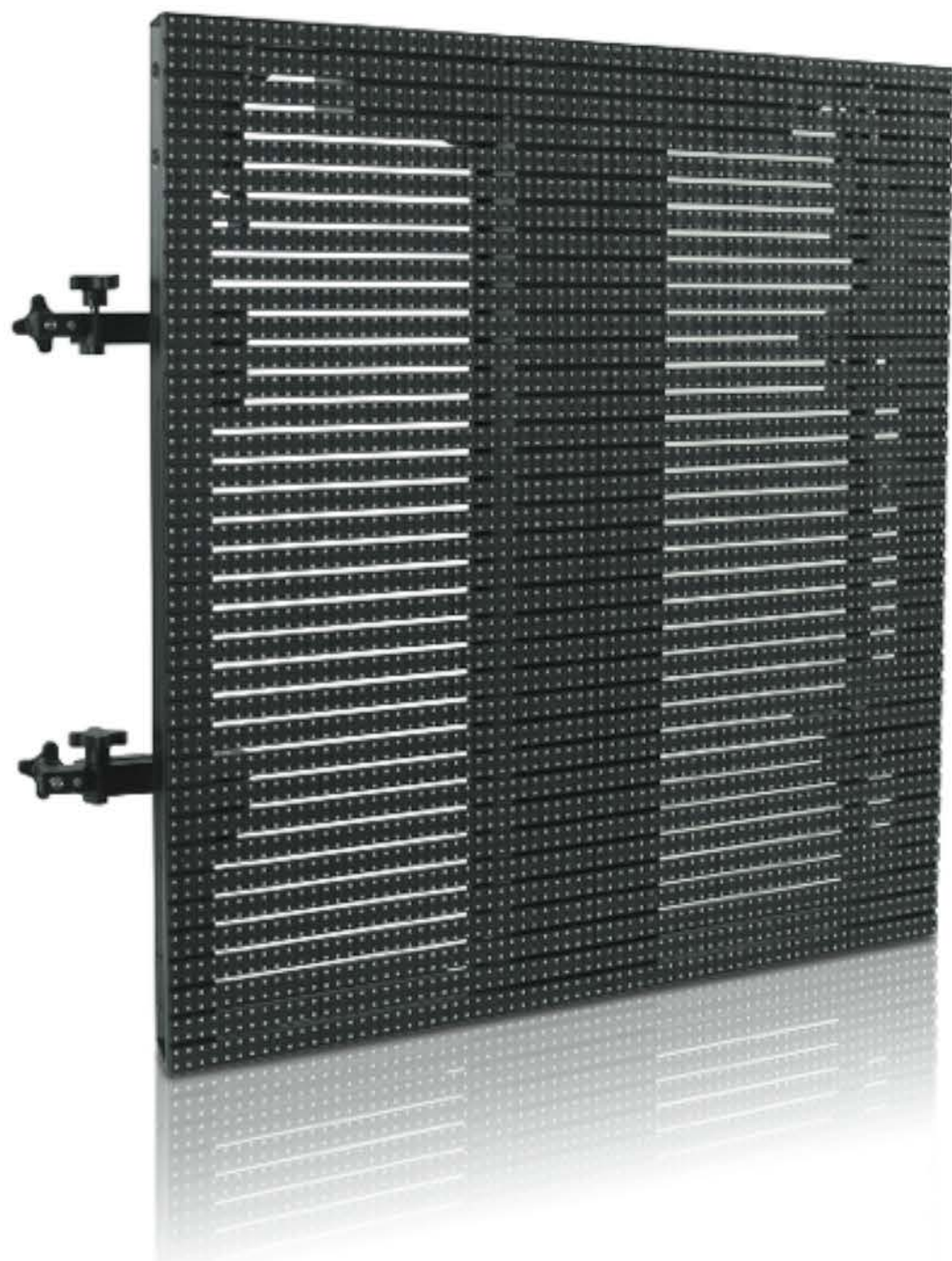
4800 NIT

wide view

14400LED/m²
density

Description

LEDCOMPASS8 is a LED module to create led- screens with 8mm pixel pitch, ideal for video screening, pictures and backgrounds for medium viewing distances from ledwall surface. The architecture of LEDCOMPASS8 is conceived with 600x600 mm module size, featuring 5184 SMD FullColor LEDs for an impressive light output (up to 4800NIT, suitable for daylight environments). The module design is completely made in aluminium and the on-board mechanics allow the mounting in curve-shape configurations (+/- 18° per module). IP65 protection rate on front side makes LEDCOMPASS8 suitable also for temporary outdoor application. With a transparency factor of 12%, LEDCOMPASS8 allows the light to go through the screen surface, opening up a wide range of creative design possibilities, combining video screening with backlights through washlight and beam projectors, even for 3D projections. The main structure is designed in aluminium, making LEDCOMPASS8 extremely lightweight (only 25,00 kg/m²), allowing a wide flexibility in configuration, also in hanging applications, with no limits of weight.

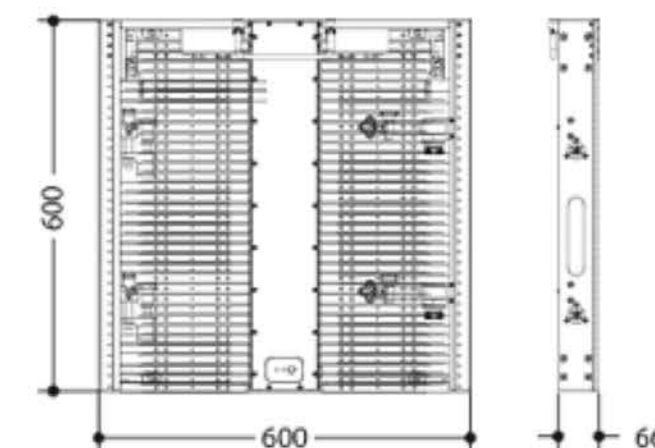


Applications

- In environments where the video-projection is not allowed by the high luminosity or short depth of the room
- In TV Studios for multiple viewing angle
- Touring and Live event for Camera streaming
- Large trade-show booths with creative video imaging
- In theme parks or public events



9 kg 1 mq: 25.00 kg





Magnetic sheet for not-curtain application

Mechanical architecture

- Moduledimensions (WxHxD): 600x600x60 mm
- Module weight: 9.000 gr
- Weight per square meter: 25,00 kg
- LED housing bar in aluminium
- Transparency rate: 12,5%
- Main structure in steel
- Curvability: +/- 18° each module
- Mechanical finishing: black
- Cooling: natural airflow
- Working position: every orientation
- Vertical hanging system: built-in aliscraf clamp support

Electrical features

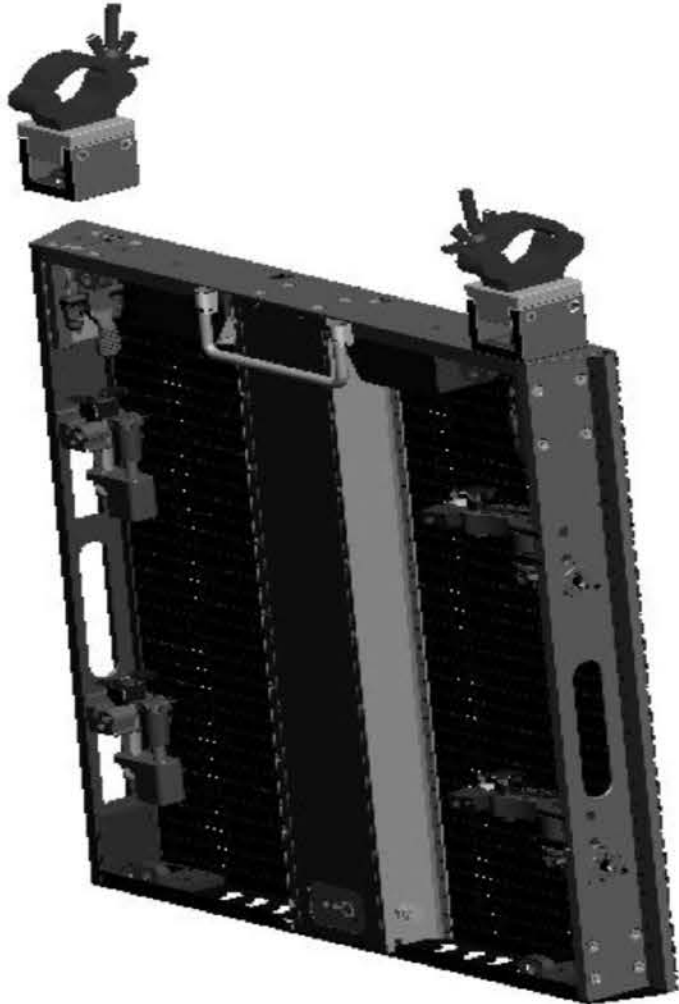
- Power supply: AC 110/230V 50/60Hz
- Power IN connections: Neutrik Powercon
- Max power consumption (module): 300W
- Average power consumption (module): 250W
- Max power consumption (per square meter): 800W
- Power output: Max 6 modules
- MTBF: > 1.000 h
- Working temperature: -10° / 50°
- Max ambience humidity: 10% - 90%

Video Features

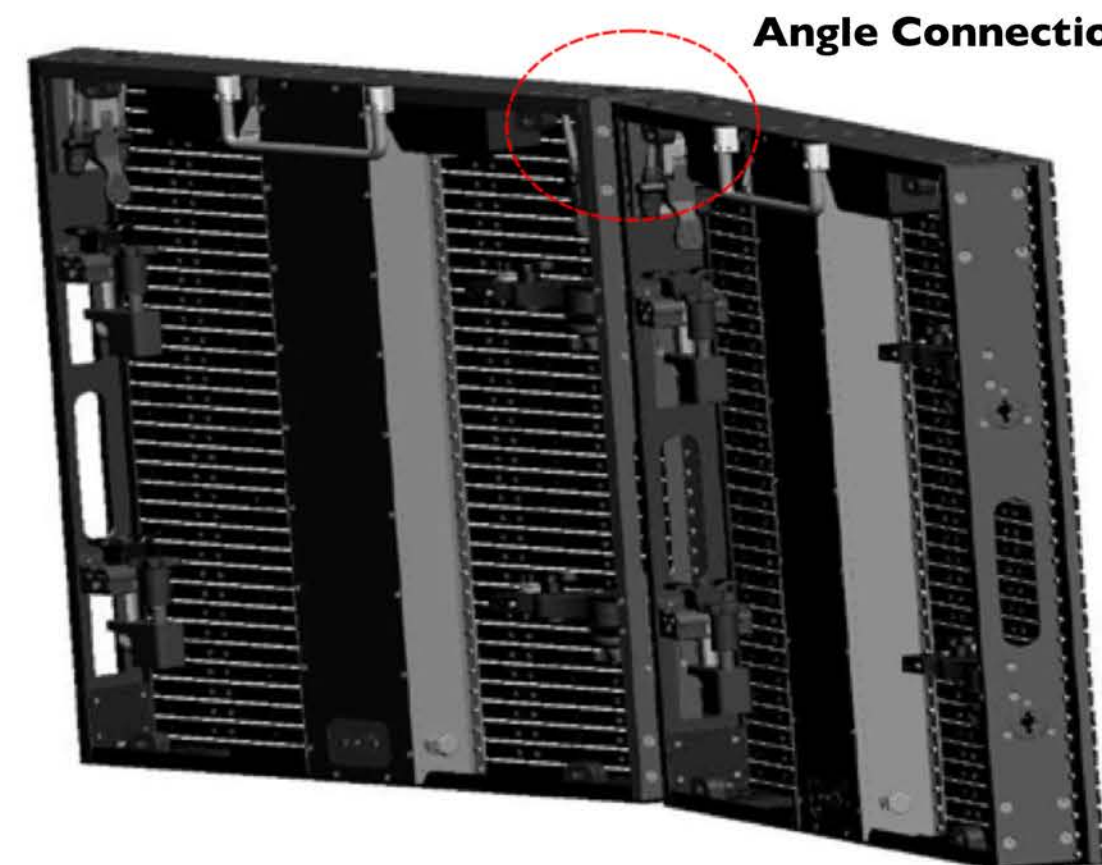
- LED source: high-power SMD FullColor
- Module resolution: 72x72 pixel, 2304 total pixel
- Pixel pitch: 8,33mm
- LED density: 14.400 LED/sqm
- Luminous flux: 4.800 cd/sqm (NIT)
- LED life span: >50.000h
- Colours: >68,7 billions through RGB mixing
- Grayscale: 12bit
- Refresh rate: >800Hz
- Colour calibration through PC software
- Maximum video IN signal resolution: 1024x768 pixel
- Viewing angle: 140° horizontal, 140° vertical
- Dead pixel ratio: <0,002

Control system

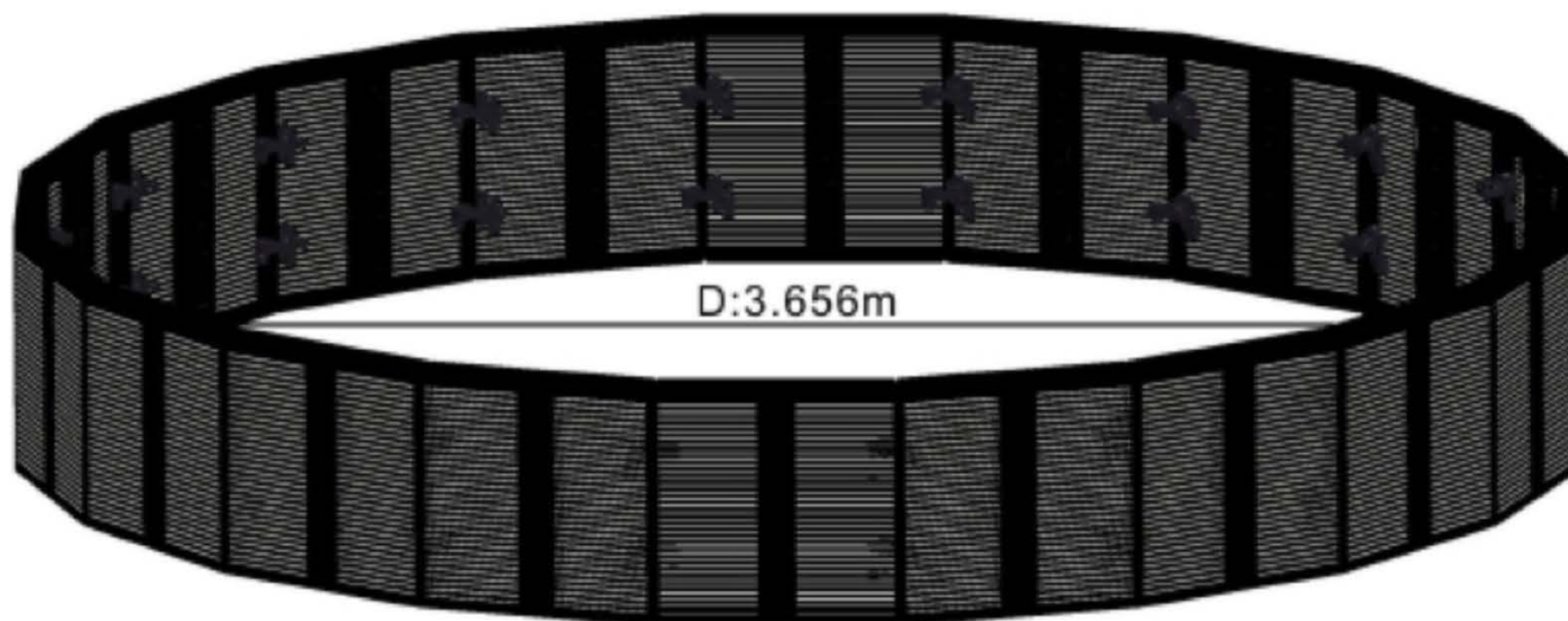
- Dedicated interface (Sender box) for video signal distribution and screen configuration
- Data IN sender box: USB connector
- Data IN module: RJ45 connectors
- Connection between screen and sender box: USB cable
- Connection between sender box and videowall: CAT5 data cable + Ethercon Neutrik connectors.



Rigging Hardware



Angle Connection



Note: LEDCOMPASS8 can form a minimum diameter 3.656 m round by 20 pieces