



## Planar NCV Series Outdoor LED Video Wall



## NEW GENERATION OF OUTDOOR FIXED INSTALL CABINET

The Planar® NCV series is latest generation of outdoor mounting Cabinets, incorporating the latest design language for impact resistant, fanless design, dust-proof, quiet design, front and rear maintenance, high brightness, wide viewing Angle and IP65 protection. In the ultra light, ultra thin Cabinet structure to achieve a high degree of integration of outdoor performance, it's robust, lightweight, and electromagnetic radiation resistant. The NCV series finally achieves a perfect modular construction. In addition to different LED modules caused by different pixel spacing, the whole series of products are universal and easy to replace.

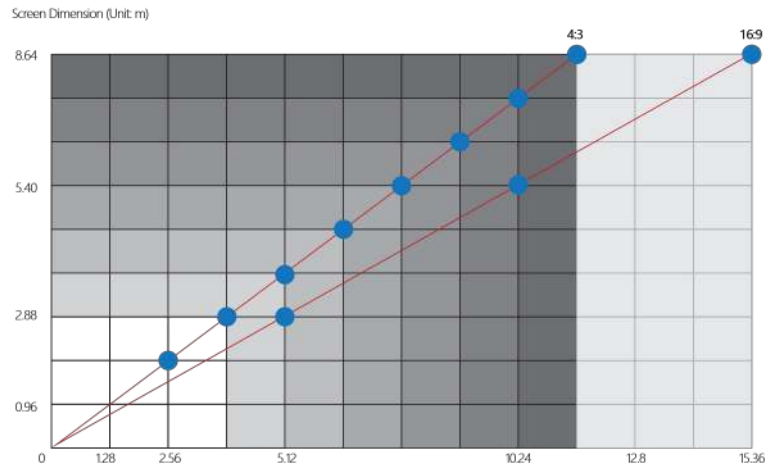
### Key Features

- ▶ 150° Wide Viewing Angle
- ▶ IP65 Protection
- ▶ Ultra Light Weight Tile
- ▶ Front&Rear Installation and Maintenance
- ▶ Ultra-thin Cabinet
- ▶ 3840Hz High Refresh Rate
- ▶ -30~50°C Operating Temperature
- ▶ High Brightness, Various Pitches

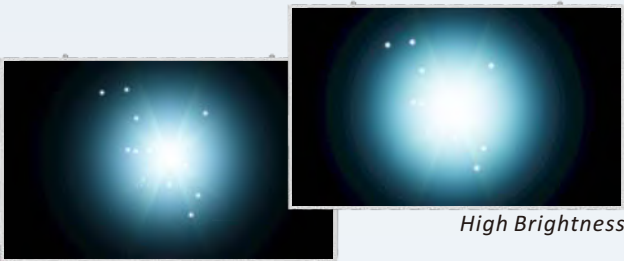
## NCV Series Video Wall Configuration

The Planar NCV series video wall configuration can have a variety of specifications, can meet the needs of different use scenarios such as stadium, outdoor advertising.

Models	NCV05S	NCV06S	NCV08S	NCV10S
1x1	256 x 192	192 x 144	160 x 120	128 x 96
2x2	512 x 384	384 x 288	320 x 240	256 x 192
3x3	768 x 576	576 x 432	480 x 360	384 x 288
4x4	1024 x 768	768 x 576	640 x 480	512 x 384
5x5	1280 x 960	960 x 720	800 x 600	640 x 480
6x6	1536 x 1152	1152 x 864	960 x 720	760 x 576
7x7	1792 x 1344	1344 x 1008	1120 x 840	896 x 672
8x8	2048 x 1536	1536 x 1152	1280 x 960	1024 x 768
9x9	2304 x 1728	1728 x 1296	1440 x 1080	1152 x 864



## Technology Advantages



### High brightness, 3840Hz High Refresh Rate

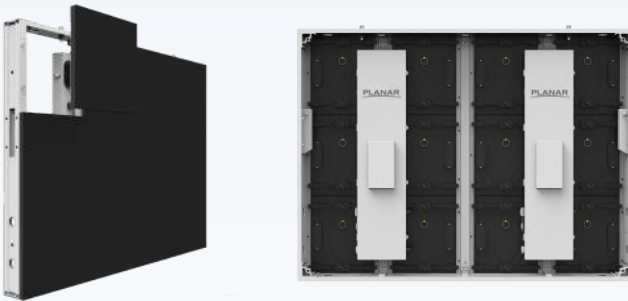
- > Brightness can fully meet the needs of outdoor display, standard 6000 nits and high brightness 8000 nits optional.
- > Thanks to the very high refresh rate, the image is very stable under the cameras of the mobile phones.
- > Barcode is readable by the mobile phones to enable a more efficient interactive advertisement.



High heat-generating parts are integrated in the back box

### Perfect Uniformity

The display unit adopts aluminum profile + aluminum sheet metal structure, and the high calorific components such as power supply and main control are connected to the lamp board by suspension design to avoid the impact on the lamp board. SMD LED configuration ensures good color uniformity at large viewing angles.



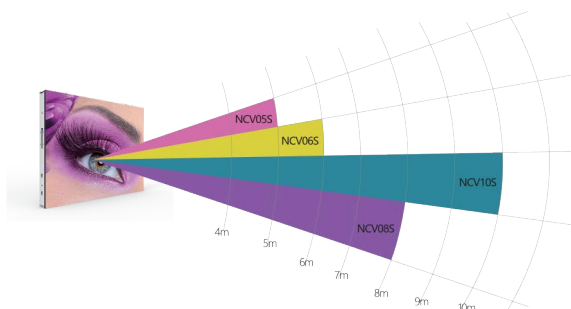
### Front/Rear to Installation/Maintenance

- > NCV cabinet is front and rear accessible, for easier maintenance.
- > NCV cabinet is designed in a smart way that the mechanical structure supports both the front and rear installation.
- > All electronic components could be disassembled from the front. The LED module is fixed to cabinet structure by mechanical locks, with a safety rings to eliminate any potential risks.



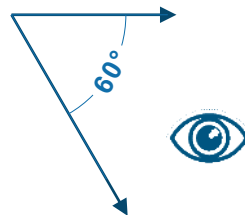
### Ultra Light Weight Tile

- > Ultra light cabinet – less than 30Kg/m<sup>2</sup>.
- > When compared with traditional outdoor cabinet, NCV is about 20%-30% lighter, convenient for shipping and installation. The back support structure is also lighter, which is helpful to lower the overall cost.
- > Cabinet thickness is only 10cm, ideal for different outdoor big LED screen applications.
- > Both front side and back side of the cabinet reach IP65 Protection level. Cabinets Can be installed and exposed to the open air, without extra enclosure.



## Multi-pitch

5mm, 6.67mm, 8mm, 10mm multiple pixel pitch to meet the needs of different viewing distances.



## Wide Viewing Angle

60 degree vertical downward viewing angle and 150 degree horizontal viewing angle meet extreme viewing needs.

## PLANAR NCV SERIES SPECIFICATIONS

Model	NCV04S	NCV05S	NCV06S	NCV08S	NCV10S	NCV10A
LED configuration	SMD					DIP
Physical pixel pitch	4mm	5mm	6.67mm	8mm	10mm	10mm
Module resolution (WxH)	80x80	64x64	48x48	40x40	32x32	32x32
Cabinet resolution (WxH)	320x240	256x192	192x144	160x120	128x96	128x96
Contrast ratio	6000:1	6000:1	8000:1	8000:1	6000:1	10000:1
Power consumption (max; avg)	700; 215W/m <sup>2</sup>	650; 215W/m <sup>2</sup>	610; 200W/m <sup>2</sup>	610; 200W/m <sup>2</sup>	610; 200W/m <sup>2</sup>	430; 142W/m <sup>2</sup>
Brightness	5500nits	6000nits	8000nits	8000nits	8000nits	10000nits
Pixel density	62500point/m <sup>2</sup>	40000point/m <sup>2</sup>	22500point/m <sup>2</sup>	15625point/m <sup>2</sup>	10000point/m <sup>2</sup>	10000point/m <sup>2</sup>
Cabinet dimension (WxHxD)	1280x960x102*mm					1280x960x108*mm
Weight (kg/cabinet)	36; 29kg/m <sup>2</sup>					43; 35kg/m <sup>2</sup>
Refresh rate	≥ 3840 (@60Hz)					≥ 7680 (@60Hz)
IP Level (Front / Rear)	IP65					
Viewing angle	150; 110°					
Central distance deviation of luminescence point	<3%					
Module dimension (WxH)	320x320mm					
Module composition (WxH)	4x3					
Maintenance	Front / Rear					
Cabinet area	1.2288m <sup>2</sup>					
Frame rate Processing	50&60Hz					
Operating temperature	-30~50°C					
Storage temperature	-40~60°C					
Operating humidity (RH)	10~90%					
Storage humidity (RH)	10~80%					
Color temperature	3000—10000K					
Input voltage	AC100~240V (50-60Hz)					