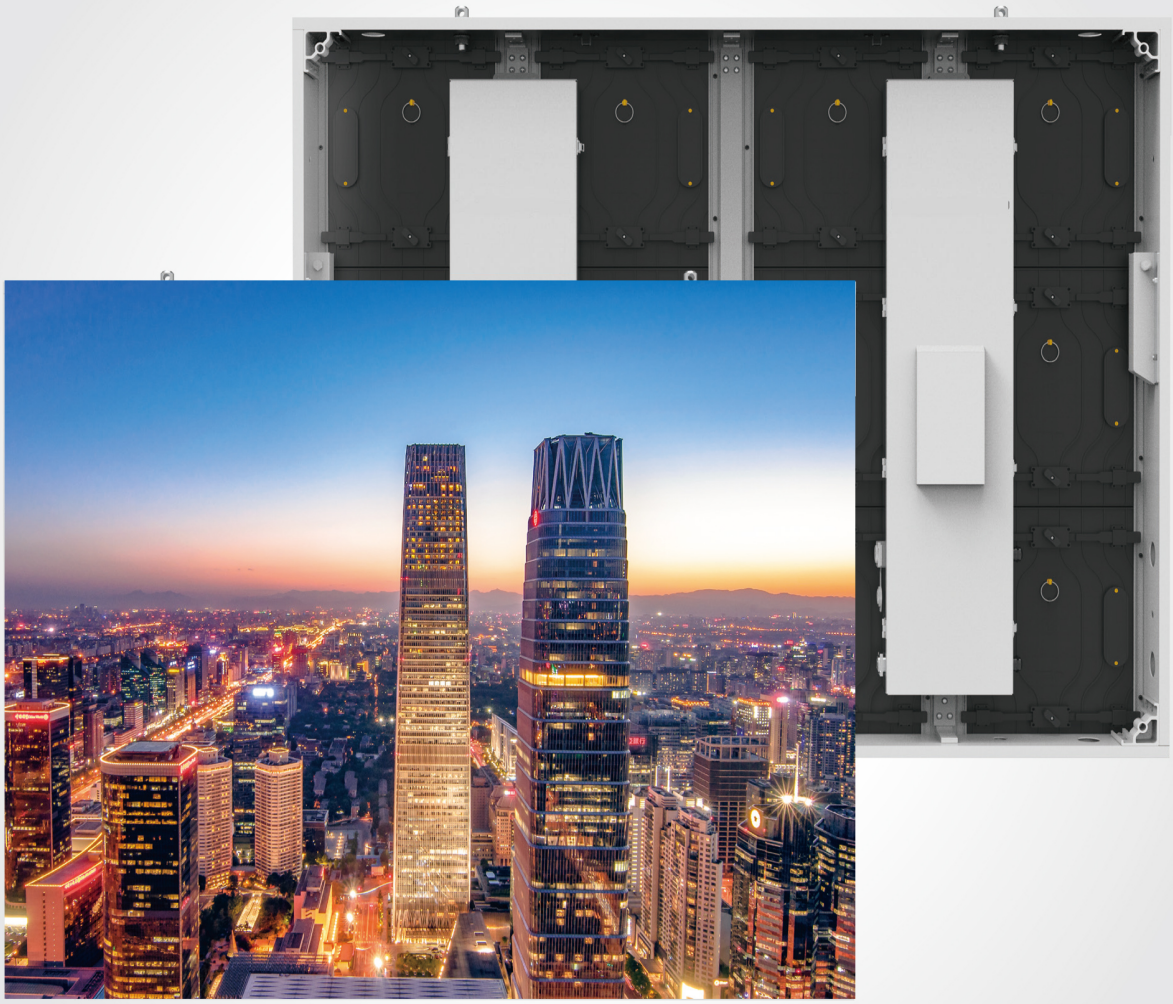
NCV SERIES OUTDOOR LED CABINET

NCV SERIES NCV04S / NCV05S / NCV06S / NCV06S-HB / NCV08S / NCV08S-HB / NCV10S / NCV10S-HB



NEW OUTDOOR FIXED LED CABINET

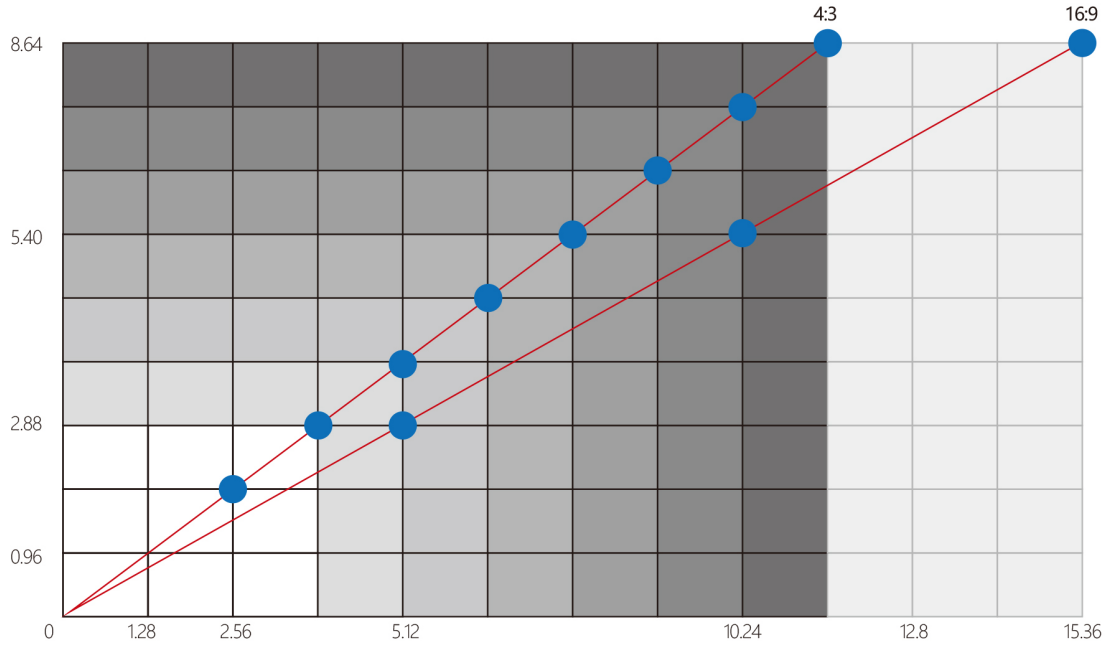
NCV series is the latest generation of outdoor fixed cabinet. The advanced design creates an ultra-light, ultra-thin outdoor cabinet structure that provides front/rear maintenance, high brightness, wide viewing angle and IP65 protection.
NCV series has a perfect modular structure, and the components are versatile and easy to replace, except for LED modules with different pixel pitch.

KEY FEATURES

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

NCV SERIES VIDEO WALL CONFIGURATION

Screen Dimension (Unit: m)

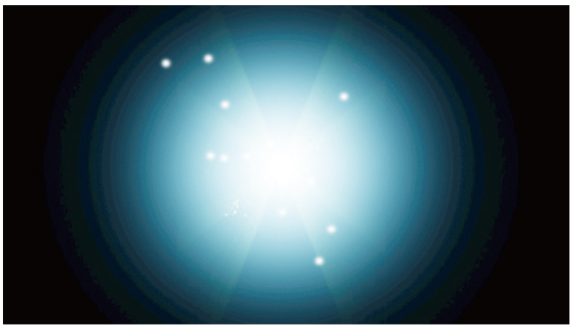


	1x1	2x2	3x3	4x4	5x5	6x6	7x7	8x8	9x9
NCV05S	256 x 192	512 x 384	768 x 576	1024 x 768	1280 x 960	1536 x 1152	1792 x 1344	2048 x 1536	2304 x 1728
NCV06S	192 x 144	384 x 288	576 x 432	768 x 576	960 x 720	1152 x 864	1344 x 1008	1536 x 1152	1728 x 1296
NCV08S	160 x 120	320 x 240	480 x 360	640 x 480	800 x 600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

TECHNOLOGY ADVANTAGES

High Brightness

Brightness can fully meet the needs of outdoor display, standard 6000 nits and high brightness 8000 nits optional.

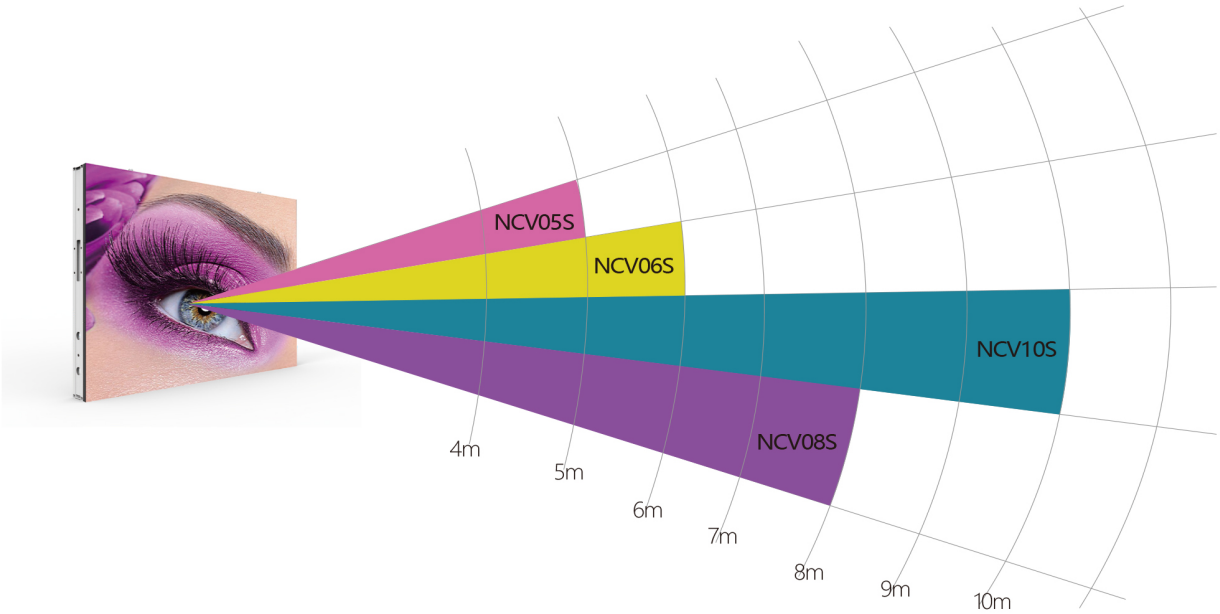


High Brightness

Standard Brightness

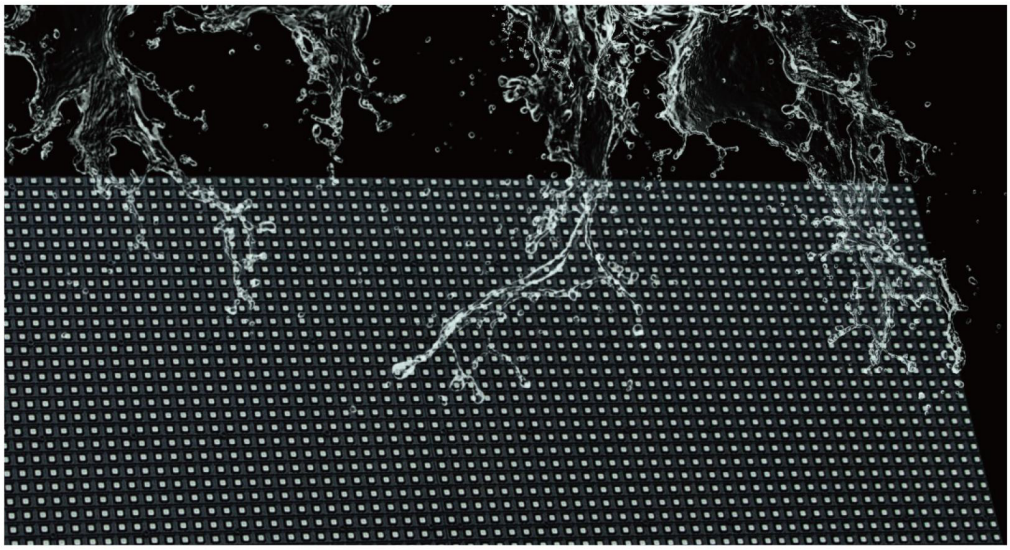
Various Pitches

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



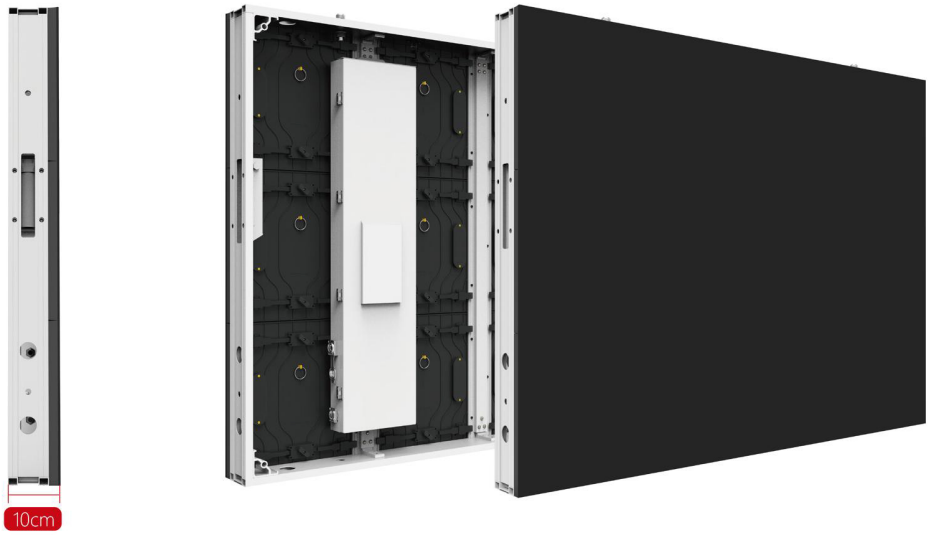
IP65 Protection

> IP65 Protection Level.
> 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.



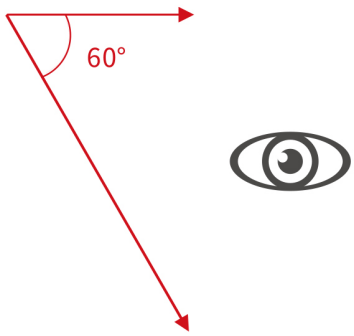
Ultra Light Weight Tile

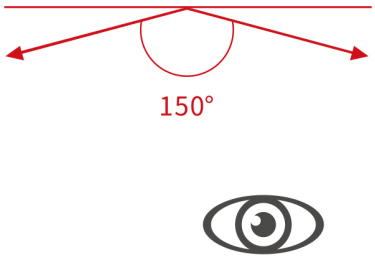
> Ultra light cabinet -- less than 30Kg/㎡.
> When compared with traditional outdoor cabinet, NCV is about 20%-30% lighter, convenient for shipping and installation. The backsupport structure is also lighter, which is helpful to lower the overall cost.
> Cabinet thickness is only 10cm, ideal for different outdoor big LED screen applications.



Wide Viewing Angle

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





3840Hz High Refresh Rate

> 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. .

Perfect Uniformity

High heat-generating parts are integrated in the back box

Power supply and main control components are connected to the lamp board in a floating design to avoid adverse effects. SMD LED configuration ensures good color uniformity at large viewing angles.

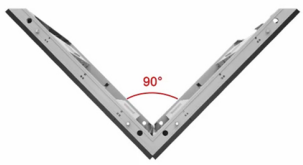
Front/Rear to Installation/Maintenance

> 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.

APPLICATIONS



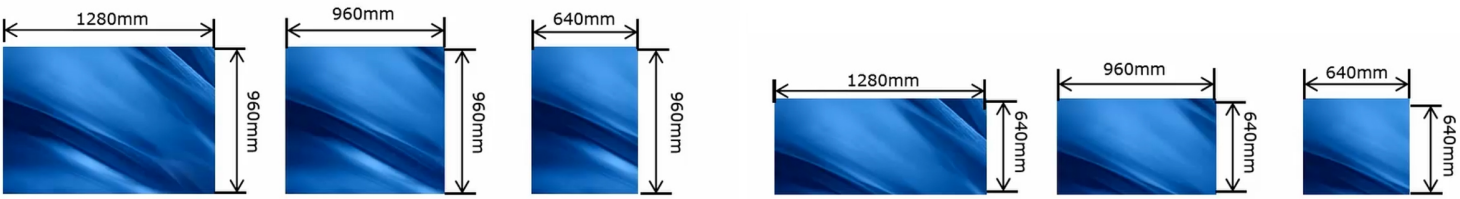
SPLICING GAP 21MM

SPECIFICATION

Item	NCV04S	NCV05S	NCV06S	NCV06S-HB	NCV08S	NCV08S-HB	NCV10S	NCV10S-HB
LED configuration	SMD	SMD	SMD	SMD	SMD	SMD	SMD	SMD
Physical pixel pitch (mm)	4	5	6.67	6.67	8	8	10	10
Module resolution (WxH)	80x80	64x64	48x48	48x48	40x40	40x40	32x32	32x32
Module dimension (WxH, mm)	320x320							
Module composition (WxH)	4x3							
Cabinet resolution (WxH)	320x240	256x192	192x144	192x144	160x120	160x120	128x96	128x96
Cabinet dimension (WxHxD, mm)	1280x960x102 (Optional: 1280X640/960X960/960X640/640x960/640x640)							
Cabinet area (㎡)	1.2288							
Weight (kg/cabinet; kg/㎡)	36; 29							
Pixel density (Point/㎡)	62500	40000	22500	22500	15625	15625	10000	10000
IP Level	IP65 Front / Rear							
Brightness (nits)	5500	6000	6000	8000	6000	8000	6000	8000
Color temperature (K)	3000—10000							
Viewing angle (horiz ; vert) °	150; 110							
Central distance deviation of luminescence point	<3%							
Contrast ratio	6000:1	6000:1	6000:1	8000:1	6000:1	8000:1	6000:1	8000:1
Power consumption (max; avg)W/㎡	700; 215	650; 215	610; 200	610; 200	610; 200	610; 200	610; 200	610; 200
Input voltage (V)	AC100~240V (50-60Hz)							
Maintenance	Front / Rear Access							
Refresh rate @60Hz	≥3840							
Frame rate Processing (Hz)	50&60							
Operating temperature (℃)	-30~50							
Storage temperature (℃)	-40~60							
Operating humidity (RH)	10~90%							
Storage humidity (RH)	10~80%							

Remark: Above data is subject to change without prior notice

VARIOUS CABINETS DIMENSION



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