



NCV SERIES OUTDOOR LED CABINET

NCV SERIES NCV04S / NCV05S / NCV06S / NCV06S-HB / NCV08S / NCV08S-HB / NCV10S / NCV10S-HB / NCV10A



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 Operating Temperature



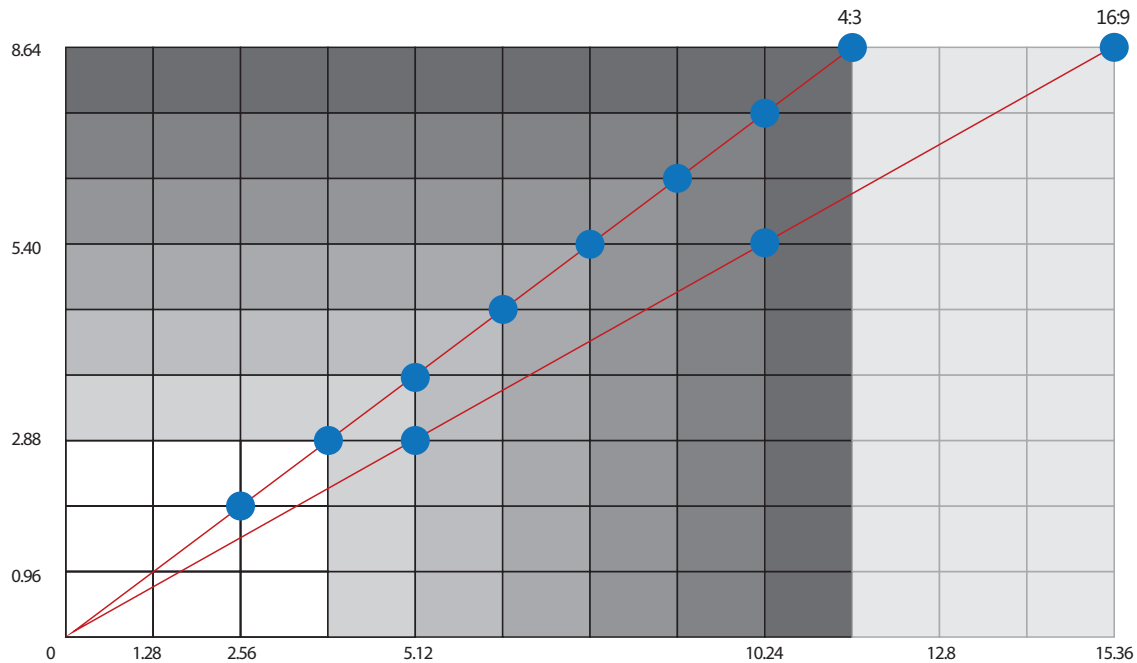
Ultra Light Weight Tile



Front/Rear to Installation/Maintenance

NCV SERIES VIDEO WALL CONFIGURATION

Screen Dimension (Unit: m)



| | 1 x 1 | 2 x 2 | 3 x 3 | 4 x 4 | 5 x 5 | 6 x 6 | 7 x 7 | 8 x 8 | 9 x 9 |
|--------|-----------|-----------|-----------|------------|------------|-------------|-------------|-------------|-------------|
| NCV055 | 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 |
| NCV065 | 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 |
| NCV085 | 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 |
| NCV105 | 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

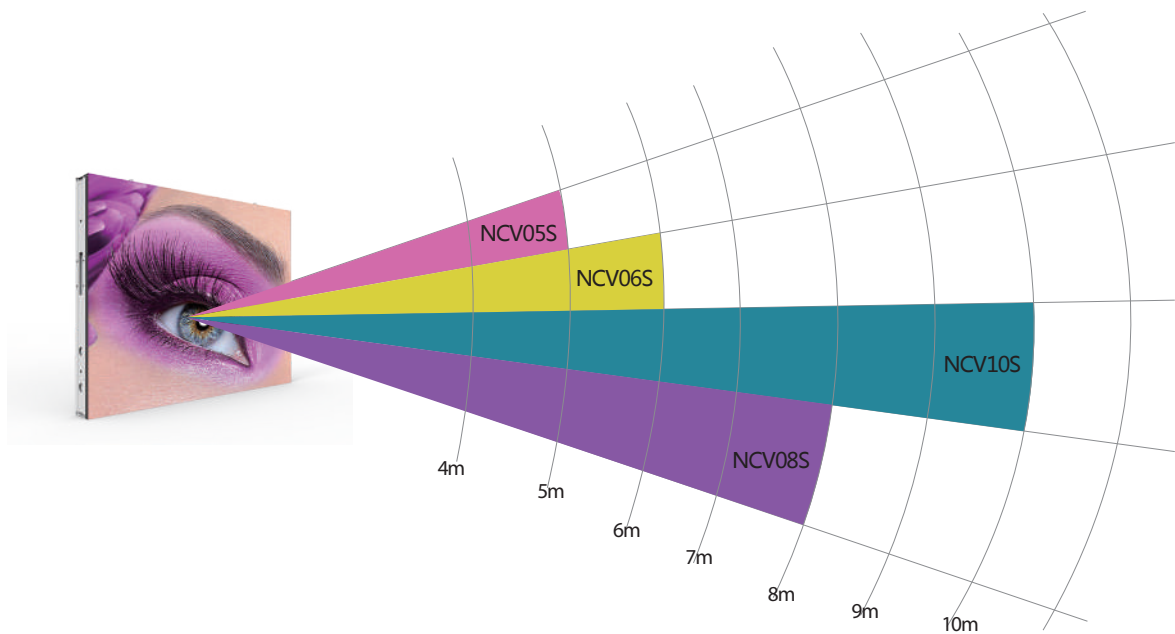


Standard Brightness



Various Pitches

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





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

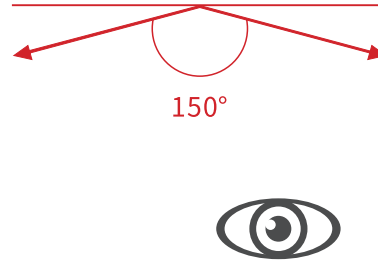
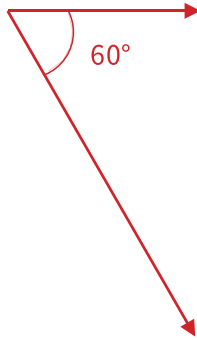
- > NCV cabinet is front and rear accessible, for easier maintenance.
- > NCV cabinet is designed in a smart way that the mechanical structure supports both the front and rear installation.
- > All electronic components could be disassembled from the front. The LED module is fixed to cabinet structure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





Wide Viewing Angle

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



3840Hz High Refresh Rate

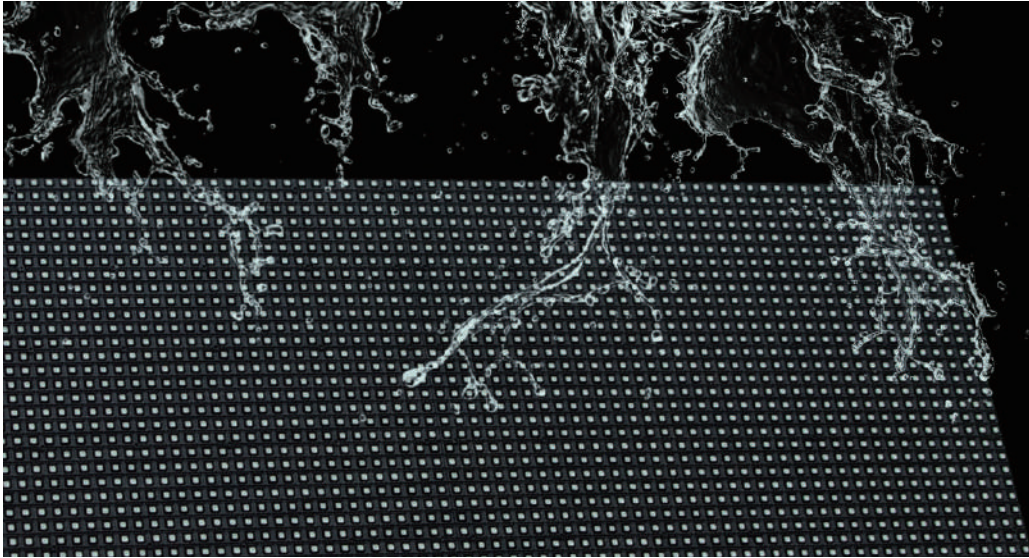
- > Thanks to the very high refresh rate, the image is very stable under the cameras of the mobile phones.
- > Barcode is readable by the mobile phones to enable a more efficient interactive advertisement . .



IP

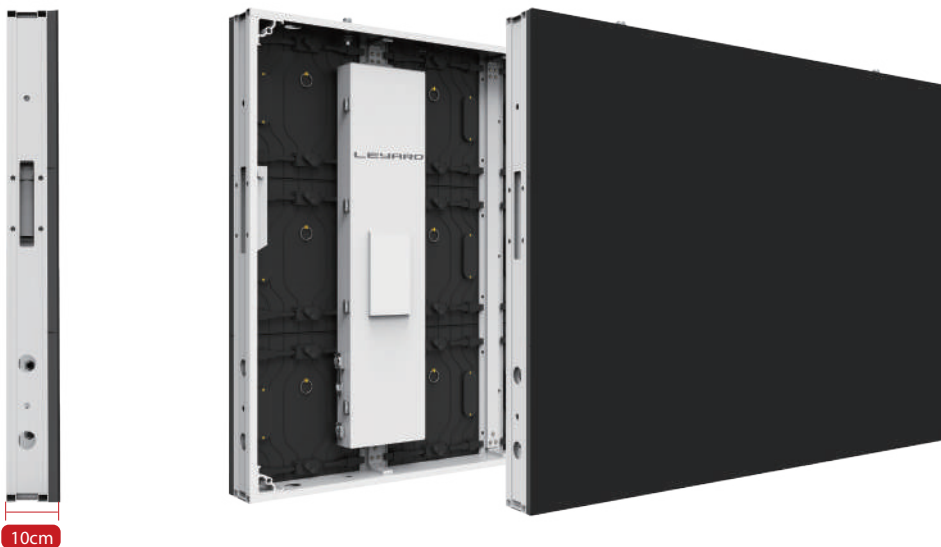
IP65 Protection

- > 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/m².
- > 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.



APPLICATIONS



SPECIFICATION

| Item | NCV04S | NCV05S | NCV06S | NCV06S-HB | NCV08S | NCV08S-HB | NCV10S | NCV10S-HB | NCV10A |
|--|----------------------|----------|----------|-----------|----------|-----------|----------|-----------|----------------------|
| LED configuration | SMD | SMD | SMD | SMD | SMD | SMD | SMD | SMD | DIP |
| Physical pixel pitch (mm) | 4 | 5 | 6.67 | 6.67 | 8 | 8 | 10 | 10 | 10 |
| Module resolution (WxH) | 80x80 | 64x64 | 48x48 | 48x48 | 40x40 | 40x40 | 32x32 | 32x32 | 32x32 |
| Module dimension (WxH, mm) | 320x320 | | | | | | | | 320x320 |
| Module composition (WxH) | 4x3 | | | | | | | | 4x3 |
| Cabinet resolution (WxH) | 320x240 | 256x192 | 192x144 | 192x144 | 160x120 | 160x120 | 128x96 | 128x96 | 128x96 |
| Cabinet dimension (WxHxD, mm) | 1280x960x102* | | | | | | | | 1280x960x108* |
| Cabinet area (m ²) | 1.2288 | | | | | | | | 1.2288 |
| Weight (kg/cabinet ; kg/m ²) | 36; 29 | | | | | | | | 43; 35 |
| Pixel density (Point/m ²) | 62500 | 40000 | 22500 | 22500 | 15625 | 15625 | 10000 | 10000 | 10000 |
| IP Level (Front / Rear) | IP65 | | | | | | | | IP65 |
| Brightness (nits) | 5500 | 6000 | 6000 | 8000 | 6000 | 8000 | 6000 | 8000 | 10000 |
| Color temperature (K) | 3000—10000 | | | | | | | | 3000—10000 |
| Viewing angle (horiz ; vert) ° | 150; 110 | | | | | | | | 100; 40 |
| Central distance deviation of luminescence point | <3% | | | | | | | | <3% |
| Contrast ratio | 6000:1 | 6000:1 | 6000:1 | 8000:1 | 6000:1 | 8000:1 | 6000:1 | 8000:1 | 10000:1 |
| Power consumption (max; avg)W/m ² | 700; 215 | 650; 215 | 610; 200 | 610; 200 | 610; 200 | 610; 200 | 610; 200 | 610; 200 | 430; 142 |
| Input voltage (V) | AC100~240V (50-60Hz) | | | | | | | | AC100~240V (50-60Hz) |
| Maintenance | Front / Rear | | | | | | | | Front / Rear |
| Refresh rate @60Hz | ≥3840 | | | | | | | | ≥7680 |
| Frame rate Processing (Hz) | 50&60 | | | | | | | | 50&60 |
| Operating temperature () | -30~50 | | | | | | | | -30~50 |
| Storage temperature () | -40~60 | | | | | | | | -40~60 |
| Operating humidity (RH) | 10~90% | | | | | | | | 10~90% |
| Storage humidity (RH) | 10~80% | | | | | | | | 10~80% |

* More cabinet dimension are available: 1280X640, 960X960, 960X640, 640x960, 640x640.
Above data is subject to change without prior notice