

Vibrant and colourful content visualisation



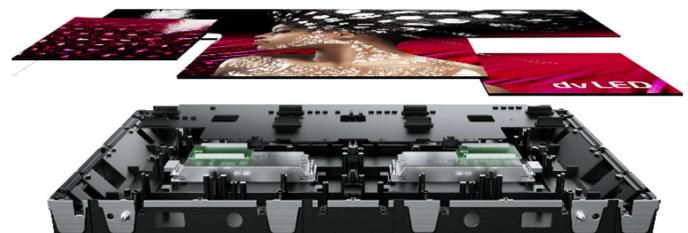
The Sharp dvLED PRO-N-COB Series with Chip on Board (CoB) technology impresses with high contrast, excellent durability, and superb energy efficiency.

Displaying deep blacks and extreme contrast levels of up to 20,000:1, content appears dramatically vivid for a remarkable imaging performance and the best possible viewing experience in any ambient light conditions. Sharp CoB technology is highly energy efficient, generating a brighter output at reduced power usage, consuming around 40% less power compared to standard SMD LED technology.

Purpose-designed for heavy commercial usage, using high quality components and rigorous engineering standards, Sharp LED technology is the preferred choice for security, safety and sustainability.

Benefits:

- Extraordinarily vivid colours – high contrast ratio of 20,000:1 and deep black level
- Significantly reduced energy consumption – high energy efficiency supports sustainability targets and lower operating costs
- Established mechanical cabinet design – precision module alignment achieves a single large surface perception
- Excellent visual performance – unseen colour reproduction with excellent off angle performance
- Flexible installation – wall mounted or free standing, with front serviceable design
- Secure and sustainable investment – robust and reliable with high serviceability for long-lasting performance



Stunning Visuals in a Durable Package Design

The direct view LED PRO-N-COB Series uses the latest flip-chip CoB technology to deliver stunning image performance with a state-of-the-art level of quality while significantly increasing energy efficiency to reduce operating costs over its lifetime.

The durability, high contrast ratio, and brightness of the PRO-N-COB Series make it a great fit for a wide range of demanding applications in transportation, museums, meeting spaces and many more.

The LED PRO-N-COB series Bundles consist of all required components, panels cases, pixel cards, mounting brackets, trim kit, LED Processor, spares. AVAILABLE FOR ORDER now, for September 24 Delivery, available in 108" 136" and 163"

	LED-PRO-N-012-COB	LED-PRO-N-015-COB	LED-PRO-N-018-COB
	PRO-N-012-COB - 108	PRO-N-015-COB - 136	PRO-N-018-COB - 163
Pixel Configuration	COB	COB	COB
LED type	Flip Chip Chip on Board CC	Flip Chip Chip on Board CC	Flip Chip Chip on Board CC
Aspect Ratio	16:9	16:9	16:9
Pixel Pitch [mm]	1.25	1.5625	1.875
Brightness (max.) [cd/m²]	600	600	600
Lifetime	100000 hrs (50% brightness)	100000 hrs (50% brightness)	100000 hrs (50% brightness)
Contrast Ratio (typ.)	10000:1	10000:1	10000:1
Viewing Angle [°]	160 horizontal / 160 vertical	160 horizontal / 160 vertical	160 horizontal / 160 vertical
Dimming Capability	256 levels	256 levels	256 levels
Colour Processing	16 bit	16 bit	16 bit
Colours	281 trillion	281 trillion	281 trillion
LED Driving Method	1/30 dynamic scan	1/27 dynamic scan	1/27 dynamic scan
Frame Rate	60Hz / 3D : 120Hz	60Hz / 3D : 120Hz	60Hz / 3D : 120Hz
Refresh Rate [Hz]	≤3840	≤3840	≤3840
Colour Temperature [K]	2500K ~ 10000	2500K ~ 10000	2500K ~ 10000
Screen Resolution			
Bundle Resolution	1920 x 1080	1920 x 1080	1920 x 1080
Panel Resolution	480 x 270	384 x 216	320 x 180
Resolution per m²	640000	409600	284357
Module Resolution	120 x 135	96 x 108	80 x 90
Number of Pixel per module [dot]	16200	10368	7200
Connectivity			
Input Video Digital	1 x HDMI 1.3; 1 x 3G-SDI; 1 x DVI-D 1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)	1 x HDMI 1.3; 1 x 3G-SDI; 1 x DVI-D 1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)	1 x HDMI 1.3; 1 x 3G-SDI; 1 x DVI-D 1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)
Input Control			
Electrical			
Total Power Consumption [W] Screen	320 typ. / 960 max.	500 typ. / 1500 max.	720 typ. / 2160 max.
Power Consumption typ. [W]	100 per m ² (normal use)	100 per m ² (normal use)	100 per m ² (normal use)
Power Consumption max. [W]	300 per m ²	300 per m ²	300 per m ²
Environmental Conditions			
Operating Temperature [°C]	-0 to 40	-0 to 40	-0 to 40
Operating Humidity [%]	10 to 80	10 to 80	10 to 80
Mechanical			
Screen (WxH)[mm]	2400 x 1350	3000 x 1687	3600 x 2025
Dimensions (W x H x D) [mm] per panel	600 x 337.5 x 42	600 x 337.5 x 42	600 x 337.5 x 42
Dimensions (W x H x D) [mm] per module	300 x 168.75 x 8	150 x 337.5 x 8	150 x 337.5 x 8
Weight [kg]	76.8	120	172.8
Additional Features			
Serviceability	Front Service	Front Service	Front Service
Surface protection	Coated	Coated	Coated
IP Level	IP40	IP40	IP40
Certifications	CCC; CE; FCC Class B, RCM	CCC; CE; FCC Class B, RCM	CCC; CE; FCC Class B, RCM
Warranty (Standard)	3 years	3 years	3 years
Control Equipment			
Novastar	VX400	VX600	VX400
Additional Equipment in Bundle			
Frame	4x4 wall mount frame in black	5x5 wall mount frame in black	6x6 wall mount frame in black
Trim	3mm powder coated Al all 4 sides	3mm powder coated Al all 4 sides	3mm powder coated Al all 4 sides
Vacuum Tool	incl	incl	incl
Spares	5%	5%	5%

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