

PRO N COB Series

Display	PRO N-007 COB	PRO N-009 COB	PRO N-012 COB	PRO N-015 COB	PRO N-018 COB
Pixel Configuration	COB	COB	COB	COB	COB
LED type	Flip Chip Chip on Board	Flip Chip Chip on Board	Flip Chip Chip on Board	Flip Chip Chip on Board	Flip Chip Chip on Board
Aspect Ratio	16:9	16:9	16:9	16:9	16:9
Pixel Pitch [mm]	0.781	0.9375	1.25	1.5625	1.875
Brightness (max.) [cd/m²]	600	600	600	600	600
Lifetime	100000 hrs (50% brightness)	100000 hrs (50% brightness)	100000 hrs (50% brightness)	100000 hrs (50% brightness)	100000 hrs (50% brightness)
Contrast Ratio (typ.)	10000:1	10000:1	10000:1	10000:1	10000:1
Viewing Angle [°]	160 horizontal / 160 vertical	160 horizontal / 160 vertical	160 horizontal / 160 vertical	160 horizontal / 160 vertical	160 horizontal / 160 vertical
Dimming Capability	256 levels	256 levels	256 levels	256 levels	256 levels
Colour Processing	16 bit	16 bit	16 bit	16 bit	16 bit
Colours	281 trillion	281 trillion	281 trillion	281 trillion	281 trillion
LED Driving Method	1/30 dynamic scan	1/27 dynamic scan	1/30 dynamic scan	1/27 dynamic scan	1/27 dynamic scan
Frame Rate	60Hz / 3D : 120Hz	60Hz / 3D : 120Hz	60Hz / 3D : 120Hz	60Hz / 3D : 120Hz	60Hz / 3D : 120Hz
Refresh Rate [Hz]	≤3840	≤3840	≤3840	≤3840	≤3840
Colour Temperature [K]	2500K ~ 10000	2500K ~ 10000	2500K ~ 10000	2500K ~ 10000	2500K ~ 10000
Screen Resolution					
Cabinet Resolution	768 x 432	640 x 360	480 x 270	384 x 216	320 x 180
Resolution per m²	1638400	1137778	640000	409600	57600
Module Resolution	192 x 216	160 x 180	120 x 135	96 x 108	80 x 90
Number of Pixel per module [dot]	41472	28800	16200	10368	7200
Connectivity					
Input Video Digital	1 x HDMI 2.0; 1 x DP 1.2; 1 x DVI-D	1 x HDMI 2.0; 1 x DP 1.2; 1 x DVI-D	1 x HDMI 2.0; 1 x DP 1.2; 1 x DVI-D	1 x HDMI 2.0; 1 x DP 1.2; 1 x DVI-D	1 x HDMI 2.0; 1 x DP 1.2; 1 x DVI-D
Input Control	1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)	1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)	1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)	1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)	1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)
Electrical					
Total Power Consumption [W]	20 typ. / 60 max.	20 typ. / 60 max.	20 typ. / 60 max.	20 typ. / 60 max.	20 typ. / 60 max.
Power Consumption typ. [W]	100 per m² (normal use)	100 per m² (normal use)	100 per m² (normal use)	100 per m² (normal use)	100 per m² (normal use)
Power Consumption max. [W]	300 per m²	300 per m²	300 per m²	300 per m²	300 per m²
Environmental Conditions					
Operating Temperature [°C]	-0 to 40	-0 to 40	-0 to 40	-0 to 40	-0 to 40
Operating Humidity [%]	10 to 80	10 to 80	10 to 80	10 to 80	10 to 80
Mechanical					
Dimensions (W x H x D) [mm]	600 x 337.5 x 42	600 x 337.5 x 42	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	150 x 168.75 x 8	150 x 168.75 x 8	300 x 168.75 x 8	150 x 337.5 x 8	150 x 337.5 x 8
Weight [kg]	4.8	4.8	4.8	4.8	4.8
Additional Features					
Serviceability	Front Service	Front Service	Front Service	Front Service	Front Service
Surface protection					
IP Level	Coated IP40	Coated IP40	Coated IP40	Coated IP40	Coated IP40
Certifications	CCC; CE; FCC Class B, RCM	CCC; CE; FCC Class B, RCM	CCC; CE; FCC Class B, RCM	CCC; CE; FCC Class B, RCM	CCC; CE; FCC Class B, RCM
Warranty (Standard)	3 years (5yr option)	3 years (5yr option)	3 years (5yr option)	3 years (5yr option)	3 years (5yr option)

