

## ■LCD Modules

### <For industrial appliances> (cont'd)

Display size (cm) ["]	Model No.	Dot format H × V (dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Display colors	Lumi- nance (cd/m <sup>2</sup> ) (TYP.)	Interface	Power con- sumption (W) (TYP.)	Outline dimensions*1 W × H × D (mm) (TYP.)	Weight (g) (MAX.)	Remarks	
31 [12.1]	LQ121S1DG81	800 × RGB × 600	0.3075 × 0.3075	246.0 × 184.5	260 k	450	CMOS	6.2	276.0 × 209.0 × 11.0	650	Long-life LED backlight, Built- in LED backlight driver circuit	
	LQ121S1LG84				260 k	450	LVDS	5.1	276.0 × 209.0 × 9.1	600	Long-life LED backlight, Built- in LED backlight driver circuit	
	LQ121S1LG86					1 500		12.9			Long-life LED backlight, Built- in LED backlight driver circuit	
	LQ121K1LG52	1 280 × RGB × 800	0.204 × 0.204	261.1 × 163.2	16.19 M	430		6.0	278.0 × 184.0 × 8.6	550	Long-life LED backlight, Built-in LED backlight driver circuit	
	LQ121K1LG58				16.19 M	700		5.8	278.0 × 184.0 × 8.6		Long-life LED backlight, Built- in LED backlight driver circuit	
	★LS121K1LX02				16.19 M	400		11.1	278.0 × 184.0 × 9.5	500	Wide Viewing Angle Long-life LED backlight Built-in LED backlight driver circuit	
38 [15.0]	LQ150X1LX92	1 024 × RGB × 768	0.297 × 0.297	304.1 × 228.1	16.19 M	270	LVDS	10.0	326.5 × 253.5 × 9.6	950	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Haze value 3%	
	LQ150X1LX95					400					Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Haze value 3%	
	LQ150X1LX96					500					Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Haze value 3%	
	LQ150X1LX9K				16.19 M	400		10.2	331.6 × 254.7 × 9.3		Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Polarized sunglasses supported	
	LQ150X1LW12				10 M	350					Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit	
	LQ150X1LW95				16.19 M	400		10.0	326.5 × 253.5 × 9.6		Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit	
	LQ150X1LW96					500					Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit	

All products listed on this page are LED backlight models.

\*1 Protrusions such as positioning bosses are not included.

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## ■LCD Modules

## &lt;For industrial appliances&gt; (cont'd)

Display size (cm) ["]	Model No.	Dot format H × V (dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Display colors	Luminance (cd/m <sup>2</sup> ) (TYP.)	Interface	Power consumption (W) (TYP.)	Outline dimensions*1 W × H × D (mm) (TYP.)	Weight (g) (MAX.)	Remarks
40 [15.6]	LQ156T3LW03	1 366 × RGB × 768	0.252 × 0.252	344.232 × 193.536	16.77 M	400	LVDS	16.9	363.8 × 215.9 × 10.8	950	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
	LQ156M1LG21	1 920 × RGB × 1 080	0.17925 × 0.17925	344.16 × 193.59	16.19 M	300/350/400/600	2ch LVDS	13.6 (600cd/m <sup>2</sup> )	370.0 × 217.0 × 9.3		Long-life LED backlight, Built-in LED backlight driver circuit, With brightness control switch
	LQ156M3LW01				16.77 M	400		17.9	363.8 × 215.9 × 10.8		Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
48 [19.0]	LQ190E1LW72	1 280 × RGB × 1 024	0.294 × 0.294	376.32 × 301.056	16.77 M	350	2ch LVDS	19.6	396.0 × 323.6 × 11.5	1 300	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
	LQ190E1LX75T					350		19.6			Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Haze value 3%
	LQ190E1LX76					470		21.1			Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
	☆LQ190E1LX78					1 200		41.2	398.1 × 329.5 × 17.8	2 300	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Haze value 3%
51 [20.1]	LQ201U1LW31	1 600 × XYZ × 1 200	0.255 × 0.255	408.0 × 306.0	256 gray scale	1 000	2ch LVDS	25.7	436.0 × 335.0 × 20.4	2 400	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Monochrome
	LQ201U1LW32	1 600 × RGB × 1 200			16.77 M	330					Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
59 [23.1]	LQ231U1LW32	1 600 × RGB × 1 200	0.294 × 0.294	470.4 × 352.8	16.77 M	500	2ch LVDS	65.5	530.0 × 431.5 × 23.9	4 500	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
69 [27.0]	LQ270M1LX01	1 920 × RGB × 1 200	0.303 × 0.303	581.76 × 363.6	16.77 M	500	2ch LVDS	43.5	620.0 × 407.6 × 22.0	3 800	Advanced Super V, Long-life LED backlight
80 [31.5]	☆LS315M7JX01	1 920 × RGB × 1 080	0.363 × 0.363	696.96 × 392.04	16.77 M	(6)	eDP	(TBD)	734.0 × 420.0 × 17.7	(5 000)	Advanced Super V, Reflective LCD
	★LQ315D1VW11	3 840 × RGB × 2 160	0.18175 × 0.18175	697.92 × 392.58	1.07 B	700	V by One	(53.8)	734.8 × 430.0 × 26.5	6 000	Wide Viewing Angle Adobe RGB 100%
	★LS315C1VX01	7 680 × RGB × 4 320	0.09085 × 0.09085	697.728 × 392.472	1.07 B	(800)	V by One	(121.9)	729.8 × 424.8 × 40.0	(TBD)	Wide Viewing Angle Local Dimming backlight

All products listed on this page are LED backlight models.

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## &lt;For digital signage displays&gt;

Display size (cm) [inch]	Model No.	Dot format H x V (Dot)	Pixel pitch H x V (mm)	Active area H x V (mm)	Display colors	Luminance (cd/m <sup>2</sup> ) (Typ.)	Interface	Outline dimensions* W x H x D (mm) (Typ.)	Weight (kg)	Remarks
152.66 [60.1]	★LQ601R3VGxx	3 840 × RGB × 2 160	0.3465 × 0.3465	1 330.56 × 748.44		(700)	V by One	1 334.54 × 752.44 × 42.0	TBD	-Backlight type : Direct-lit LED -SFR (60 Hz input–60 Hz output) -Viewing angle (Deg.) (L/R / U/D) : 176 / 176 -Orientation : Portrait / Landscape -Multi-displays configurable Bezel to Bezel : 3.6mm
176.56 [69.5]	LQ695D3LG02	1 920 × RGB × 1 080	0.802 × 0.802	1 538.88 × 865.62	1.07B 8-bit + 2-bit FRC	350	LVDS	1 559.4 × 893.0 × 27.5	26.5±1.5	-Backlight type : Edge-lit LED -DFR (120 Hz input–120 Hz output) -Viewing angle (Deg.) (L/R / U/D) : 176 / 176 -Orientation: Portrait / Landscape"
	LQ695R3VG03	3 840 × RGB × 2 160	0.401 × 0.401			330	V by One		27.5±1.5	-Backlight type : Edge-lit LED (built-in driver) -SFR (60 Hz input–60 Hz output) -Viewing angle (Deg.) (L/R / U/D) : 176 / 176 -Orientation: Portrait / Landscape

\* Excluding FPC for connection and other protruding parts.

## &lt;See-through displays&gt;

Display size size (cm) [ inch ]	Model No.*1	Dot format H × V (Dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Display colors	Lumi- nance (cd/m <sup>2</sup> ) (Typ.)	Interface	Outline dimensions*2 W × H × D (mm) (Typ.)	Weight (kg)	Remarks
80.0 [31.5]	★LQ315T3FWxx	1 366 × RGB × 768	0.51075 × 0.51075	697.68 × 392.26	1.68M 8-bit	Without backlight	LVDS	709.3 × 460.55 × 30	TBD	-Choice of normally white or normally black -SFR (60 Hz input–60 Hz output) -Viewing angle (Deg.) (L/R / U/D) : 176 / 176 -Orientation : Portrait / Landscape
105.415 [41.5]	★LQ415D3FWxx	1 920 × RGB × 1 080	0.4815 × 0.469	924.48 × 506.52	1.07B 8-bit + 2-bit FRC			940 × 530 × 30		-Choice of normally white or normally black -SFR (120 Hz input–120 Hz output) -Viewing angle (Deg.) (L/R / U/D) : 176 / 176 -Orientation : Portrait / Landscape
176.56 [69.5]	★LQ695D3FWxx		0.802 × 0.802	1 538.88 × 865.62				1 559.6 × 893.0 × 27.5		-Choice of normally white or normally black -SFR (120 Hz input–120 Hz output) -Viewing angle (Deg.) (L/R / U/D) : 176 / 176 -Orientation : Portrait / Landscape
203.21 [80]	★LQ800D3FWxx		0.9225 × 0.9225	1 771.20 × 996.3				1 820.2 × 1 045.3 × 26		-Choice of normally white or normally black -SFR (60 Hz input–60 Hz output) -Viewing angle (Deg.) (L/R / U/D) : 176 / 176 -Orientation : Portrait / Landscape
228.66 [90]	★LQ900D3FWxx		1.038 × 1.038	1 992.96 × 1 121.04				2 032.0 × 1 168.0 × 33.9		-Choice of normally white or normally black -SFR (60 Hz input–60 Hz output) -Viewing angle (Deg.) (L/R / U/D) : 176 / 176 -Orientation : Portrait / Landscape
264.699 [104]	★LQ1A4Z3FWxx	5 280 × RGB × 2 160	0.464 × 0.464	2 449.92 × 1 002.24	V by One		2 486.0 × 1 043.0 × 42.0	-Choice of normally white or normally black -SFR (60 Hz input–60 Hz output) -Viewing angle (Deg.) (L/R / U/D) : 176 / 176 -Orientation : Portrait / Landscape		
304.882 [120]	★LQ1C0R3FWxx	3 840 × RGB × 2 160	0.692 × 0.692	2 657 × 1 494.72			2 714.0 × 1 043.0 × 50.0	-Built-to-order manufacturing		

\*1 xx is determined by specifications and format.

\*2 Excluding FPC for connection and other protruding parts.

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## &lt;For wearable &amp; mobile terminal device (low power consumption LCD)&gt;

Display size (cm) ["]	Model No.	Dot format H × V (dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Display colors	Luminance (cd/m <sup>2</sup> ) (TYP.)	Interface	Power consumption <sup>*1</sup> (μW) (TYP.)	Outline dimensions <sup>*2</sup> W × H × D (mm) (TYP.)	Weight (g) (MAX.)	Remarks
2.6 [1.03]	LS010B7DH04	128 × 128	0.145 × 0.145	18.56 × 18.56	B/W	No B/L	Serial	45	22.12 × 25.82 × 0.745	1.0	
2.7 [1.08]	LS011B7DH03	160 × 68	0.158 × 0.158	25.28 × 10.744	B/W	No B/L	Serial	25	32.00 × 14.00 × 0.745	0.73	
3 [1.17]	☆LS012B7DD01	184 × 38	0.158 × 0.158	29.072 × 6.004	B/W	No B/L	Serial	189	35.10 × 11.00 × 0.741	0.6	
3 [1.19]	☆LS012B7DD06A	240 × RGB × 240	0.126 × 0.126	ø30.24	64-color	No B/L	6-bit parallel	33 <sup>*3</sup>	33.04 × 33.94 × 0.890	1.6	
3.2 [1.26]	LS013B7DH05	144 × 168	0.145 × 0.145	20.88 × 24.36	B/W	No B/L	Serial	35	24.68 × 30.00 × 0.745	1.1	
3.3 [1.28]	LS013B7DH03	128 × 128	0.180 × 0.180	23.04 × 23.04	B/W	No B/L	Serial	50	26.60 × 30.30 × 0.745	1.3	
4.6 [1.8]	LS018B7DH02	230 × 303	0.12 × 0.12	27.6 × 36.36	B/W	No B/L	Serial	100	31.00 × 41.46 × 0.745	2.03	
6.9 [2.7]	LS027B7DH01	400 × 240	0.147 × 0.147	58.8 × 35.28	B/W	No B/L	Serial	175	62.8 × 42.82 × 1.65	11.0	
8.0 [3.16]	☆LS032B7DD02	336 × 536	0.127 × 0.127	42.672 × 68.072	B/W	No B/L	Serial	250	47.02 × 76.00 × 0.705	5.5	
11.2 [4.4]	LS044Q7DH01	320 × 240	0.280 × 0.280	89.6 × 67.2	B/W	No B/L	Serial	600	94.8 × 75.2 × 1.64	29.0	

## &lt;For VR (Virtual Reality)&gt;

Display size (cm) ["]	Model No.	Dot format H × V (dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Luminance (cd/m <sup>2</sup> ) (TYP.)	Contrast	Interface	Refresh rate	Response time	Outline dimensions <sup>*2</sup> W × H × D (mm) (TYP.)	Remarks
7.3 [2.89]	LS029B3SX06A	2160 × RGB × 2 160	0.024 × 0.024	51.84 × 51.84	150cd (63 mA, 10%Duty)	700	MIPI D-phy 8 lane	90 Hz	4 msec (Black to White) 5 msec (Gray to Gray)	54.24 × 59.32 × 1.365	

\*1 Data update mode (Display pattern: Vertical stripe display)

\*2 Protrusion such as positioning bosses are not included.

\*3 Data update mode (Display pattern: White display)

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