

**APPLICATIONS:**  
DVD  
Set Top Box  
POS  
Notebook PC

# Color STN-LCD Modules

Display Size	Model Number	Display Format H × V (dots)	Pixel Pitch H × V (mm)	Active Area H × V (mm)	Panel Type, Panel Mode, Backlight Type	CR <sup>1</sup> TYP.	RT <sup>2</sup> (ms) TYP.	Bright. (cd/m <sup>2</sup> ) TYP.	PC <sup>3</sup> (mW) TYP.	Outline Dimensions W × H × D (mm) <sup>4</sup>	Weight (g)
5.5"	LM5Q31◆ <sup>12,14</sup>	320 × 3 × 240 <sup>5</sup>	0.315 × 0.315	100.8 × 75.6	TSTN, transmissive, 1 CCFT, edge-light type	30	200	100	3,400	134 × 100 (113) × 15	165
	LM5Q32◆ <sup>12,15</sup>					30	200	100	3,300	134 × 100 (113) × 10.5	150
	LM6Q31★ <sup>12,14</sup>		<30>	<120>		<150>	TBD	145 (153) × 114 × 13	230		
	LM6Q33★ <sup>13,14</sup>						TBD	145 (153) × 114 × 13	210		
6.5"	LM7M63★	640 × 3 × 240 <sup>6</sup>	0.24 × 0.24	153.6 × 57.6		<25>	<350>	<70>	<800>	173 × 73 × 6.7	<120>
7.7"	LM8V30	640 × 3 × 480 <sup>7</sup>	0.246 × 0.246	157.4 × 118.0		30	350	70	1,000	197 × 142.5 × 8	240
	LM8V31★		0.264 × 0.264			<25>	<350>	<70>	<1,000>	197 × 142.5 × 8	<240>
8.1"	LM8M64★	640 × 3 × 240 <sup>6</sup>	0.30 × 0.30	192.0 × 72.0		<35>	<300>	<70>	<1,100>	225.4 × 87.4 × 6.7	<180>
9.4"	LM9V38★	640 × 3 × 480 <sup>7</sup>	0.30 × 0.30	192.0 × 144.0		<25>	<350>	<70>	<1,400>	227 × 179.2 × 9.5	<350>
10.4"	LM64C350		0.33 × 0.33	211.2 × 158.4		TSTN, transmissive, 1 CCFT, edge-light type, low temperature and long life backlight	30	300	70	3,600	242.5 × 179.4 × 8.5
	LM10V33				TSTN, transmissive, 1 CCFT, edge-light type, long life backlight	30	300	70	4,050	264 × 193 × 8.5	450
11.1"	LM11X30 <sup>17</sup>		1024 × 3 × 600 <sup>9</sup>	0.2385 × 0.2385	244.2 × 143.1	TSTN, transmissive, 1 CCFT, edge-light type	25	350	85	4,400	277.5 × 165 × 8.5
11.3"	LM64C391	640 × 3 × 480 <sup>7</sup>	0.36 × 0.36	230.4 × 172.8	TSTN, transmissive, 2 CCFT, edge-light type	25	300	150	6,780	271.5 × 199.5 × 10	670
	LM80C24 <sup>17</sup>	800 × 3 × 600 <sup>8</sup>	0.2865 × 0.2865	229.1 × 171.9	TSTN, transmissive, 1 CCFT, edge-light type	27	300	80	3,700	249.5 (260.5) × 187 × 8.5	470

**NOTES:**

1. Contrast ratio
  2. Response time, tr = td
  3. Power consumption
  4. All values of outline dimensions are measured excluding mounting tabs (MAX. value)
  5. Display pixel count: 76,800
  6. Display pixel count: 153,600
  7. Display pixel count: 307,200
  8. Display pixel count: 480,000
  9. Display pixel count: 614,400
  10. Display pixel count: 786,432
  11. EDS (earth and desk saving)
  12. Single scan
  13. Dual scan
  14. With FIFO
  15. Without FIFO
  16. High contrast, Sharp addressing LCD
  17. Sharp addressing drive
  18. HC-Addressing (high contrast-addressing) drive
  19. TSTN: Triple Super Twisted Nematic
  20. Reflective mode: 4.2, Transmissive mode: 3
- ( ) Values including mounting tabs  
<> Values tentative  
◆ New product  
★ Under development

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12.1"	LM80C36 <sup>17</sup>	800 × 3 × 600 <sup>8</sup>	0.3075 × 0.3075	246.0 × 183.0	TSTN, transmissive, 1 CCFT, edge-light type	25	300	70	3,700	275 × 199 × 8.5	530
	LM80C312◆				TSTN, transmissive, 2 CCFT, edge-light type	25	350	200	7,840	290 × 225 × 9.3	700
	LM12S02★ <sup>18</sup>			246.0 × 184.5	TSTN, transmissive, 1 CCFT, edge-light type	40	150	80	5,300	275 × 202.5 × 8.9	520
	LM12S40 <sup>16</sup>					40	300	70	3,430	275 × 202.5 × 7.5	450
	LM12S402					40	300	100	3,430	275 × 202.5 × 8.3	490
	LM12X35 <sup>17</sup>	1,024 × 3 × 768 <sup>10</sup>	0.24 × 0.24	245.7 × 184.3	TSTN, transmissive, 2 CCFT, edge-light type	40	300	150	7,660	279.5 × 205.5 × 10	665
13.0"	LM13X31★ <sup>16</sup>		0.258 × 0.258	264.2 × 198.1	TSTN, transmissive, 1 CCFT, edge-light type	<35>	<300>	<70>	<3,900>	298.4 × 213.5 × 10	<650>
13.8"	LM14X82 <sup>11,16</sup>		0.273 × 0.273	279.5 × 209.6	TSTN, transmissive, 4 CCFT, edge-light type	35	300	200	16,550	330 × 242 × 16	1,400
15"	LM15X80 <sup>11,16</sup>		0.297 × 0.297	304.1 × 228.1		35	300	200	16,750	355 × 261 × 16.5	1,700
	LM15X11★ <sup>11,18</sup>					<30>	<150>	<200>	<19,000>	355 × 263.1 × 18	<1,980>
17.7"	LM18X84 <sup>11,16</sup>		0.351 × 0.351	359.4 × 269.5		30	400	150	18,500	450 × 323.6 (343.2) × 24.5	2,200
	LM18X12★ <sup>11,18</sup>				<30>	<150>	<200>	<42,000>	480 × 323.6 (343.2) × 29.5	<4,200>	
	LM18X94★ <sup>11,16</sup>				<30>	<400>	<200>	<34,000>	480 × 343.2 × 30	<3,750>	

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