

Performance/Specifications

Series		NS5-V2												
Type		5.7-inch Monochrome STN				5.7-inch Color STN				5.7-inch Color TFT				
Appearance														
Display device		Monochrome LCD				STN color LCD				Color TFT				
Effective display area		Width 117.2 × height 88.4 mm (5.7 inches)												
Case color		Ivory		Black		Ivory		Black		Ivory		Black		
Built-in Ethernet port		No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	
Model number		NS5-MQ00-V2	NS5-MQ01-V2	NS5-MQ00B-V2	NS5-MQ01B-V2	NS5-SQ00-V2	NS5-SQ01-V2	NS5-SQ00B-V2	NS5-SQ01B-V2	NS5-TQ00-V2	NS5-TQ01-V2	NS5-TQ00B-V2	NS5-TQ01B-V2	
Display colors		16 gradations				256 colors								
Number of dots		320 dot horizontal × 240 dot vertical												
Field of vision		Left/right: 45°, Top: 20°, Bottom: 40°				Left/right: 50°, Top: 45°, Bottom: 50°				Left/right: 70°, Top: 70°, Bottom: 50°				
Screen data capacity		20 Mbytes												
Image data (BMP or JPG images)		16 gradations				4,096 colors				32,768 colors				
Memory Card		Supported												
Ladder Monitor function		Not supported												
Video Input Unit support		Not supported												
Image displayed via video input		---												
Controller Link Interface Unit (Wired) support		Not supported												
Backlight <small>Note: Contact your nearest OMRON representative to replace the backlight.</small>	Service life	50,000 hours min.				75,000 hours min.								
	Brightness adjustment	There are 3 levels that can be set with the touch panel. Note: The brightness cannot be adjusted much.												
	Backlight error detection	Error is detected automatically, and the RUN indicator flashes green as notification. Note: This function does not indicate that the service life has been reached. It detects when the backlight is not lit due to a disconnection or other errors. Backlight error detection indicates that all backlights (2) are OFF.												
Touch panel (Matrix type)	Method	Resistive membrane												
	Number of switches	300 (20 horizontal × 15 vertical) 16 × 16 dots for each switch												
	Input	Pressure-sensitive												
	Service life	1,000,000 touch operations.												
Display text	Raster font	Displayable characters, Base size												
		Font name	Rough	Displayable characters: Alphanumeric characters or Japanese katakana, Base size: 8 × 8, Magnification: 1 × 1, 1 × 2, 2 × 1, 2 × 2, 3 × 3, 4 × 4, 8 × 8										
			Standard	Displayable characters: Alphanumeric characters or Japanese, Chinese (Simplified, Traditional) or Korean, Base size: 8 × 16, 16 × 16, Magnification: 1 × 1, 1 × 2, 2 × 1, 2 × 2, 3 × 3, 4 × 4, 8 × 8										
	Fine		Displayable characters: Alphanumeric characters or Japanese katakana, Japanese kanji, Base size: 16 × 32, 32 × 32, Magnification: 1 × 1, 1 × 2, 2 × 1, 2 × 2, 3 × 3, 4 × 4, 8 × 8											
Vector font (text objects only)	Can be specified in CX-Designer. Font, style, and size can be specified.													
Text attributes	Color	256 colors												
	Font style (only when vector font is specified)	Bold or italic												
	Vertical alignment	Top, center, or bottom												
	Horizontal alignment	Left-justified, centered, or right-justified												
Flicker	Objects supporting flicker	Functional objects: Up to 10 types can be registered. The flicker speed and flicker range can be set. Fixed objects: Select from 3 types. The flicker speed and flicker range are fixed.												
	Numerical units and scale settings	1,000 max.												