

TFT Displays
NH Technology GmbH

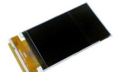
Size	Image	Item	Resolution	Module Size	Active Area	Display Mode	Viewing direction	Luminance (cd/m2)	Contrast Ratio	LED (Serial / Parallel)	Backlight (Current/Voltage)	Power Consumption (mW)	Interface	Pins	Touch
0.96"		NHWD-009ST02-F01	80 x 160	14.4 x 27.95 x 1.75	1.8 x 21.696	IPS	ALL	350	800	1P	20mA 3.3V		SPI	8 Pin	no
1.28"		NHWD-012ST01-F01	240 x 240	35.6 x 38.1 x 1.5	32.4 x 32.4	IPS	ALL	350	1100	2P	40mA 3.1V		SPI	24 Pin	no
1.3"		NHWD-013ST03-F01	240 x 240	26.85 x 29.55 x 1.98	23.4 x 23.4	IPS	ALL	250	600	2P	40mA 3.2V		SPI	12 Pin	no
1.44"		NHWD-014ST02-F01	128 x 128	32.36 x 38 x 2.6	25.49 x 26.49	TFT	12 O'Clock	140	500	1P	15mA 3.2V	48	8 BIT MCU, 4W SPI, 3W SPI	32 Pin	no
1.54"		NHWD-0154DF03-C02	240 x 240	4.3 x 4.3 x 4.37	27.72 x 27.72	IPS	ALL	400	800	3P	60mA 3.2V	192	SPI, I2C	24 Pin	capacitive
1.54"		NHWD-0154DF03-F01	240 x 240	31.5 x 35 x 2.3	27.72 x 27.72	TFT	12 O'Clock	400	500	3P	45mA 3.0V	192	SPI	24 Pin	option with resistive touch panel
1.7"		NHWD-017ST01-C01	240 x 280	35.04 x 41.24 x 3.46	27.97 x 32.63	IPS	ALL	300	600	3P	60mA 3.2V		SPI	15 Pin	capacitive
1.8"		NHWD-018ST03-F01	128 x 160	34. x 47. x 2.4	28.3 x 35.4	TFT	12 O'Clock	230	500	2P	30mA 3.2V	96	8 BIT MCU, 4W SPI, 3W SPI	33 Pin	no
1.8"		NHWD-018ST04-F01	128 x 160	34 x 43.7 x 2.4	28.3 x 35.4	TFT	12 O'Clock	150	500	2P	30mA 3.2V	96	8 BIT MCU	20 Pin	no
1.8"		NHWD-018TW12-F03	128 x 160	34.7 x 46.7 x 2.5	28.3 x 35.4	TFT	12 O'Clock	150	300	2P	40mA 2.8V	96	SPI	20 Pin	no
2.0"		NHWD-020TG08-F01	176 x 220	38.3 x 51.65 x 2.5	31.68 x 39.6	TFT	12 O'Clock	220	300	3P	45mA 3.2V	144	8/16 BIT MCU	36 Pin	no
2.0"		NHWD-020ST22-F01	240 x 320	36.1 x 51.9 x 2.4	30.6 x 40.8	TFT	12 O'Clock	250	350	6P	45mA 3.2V	128	16 BIT MCU	36 Pin	option with resistive touch panel

Operation Temperature: -20°C ~ +70°C
Storage Temperature: -30°C ~ +80°C
Humidity: 50°C, 90% RH
Dimensions: mm

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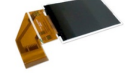
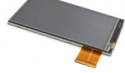
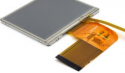
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2.4"		NHWD-024Q12-F01	240 x 320	42.72 x 6.26 x 2.5	36.72 x 48.96	TFT	12 O'Clock	250	500	4P	60mA 3.2V	192	8/16 BIT MCU	37 Pin	option with resistive touch panel
2.4"		NHWD-024Q16-F01	240 x 320	42.72 x 6.26 x 2.5	36.72 x 48.96	IPS	ALL	200	800	4P	60mA 3.2V	192	16 BIT MCU	37 Pin	option with resistive touch panel
2.8"		NHWD-028Q27-F01	240 x 320	50 x 69.2 x 2.45	43.2 x 57.6	TFT	12 O'Clock	320	500	4P	60mA 3.2V	192	8/16 BIT MCU	37 Pin	option with resistive touch panel
2.8"		NHWD-028Q28-F01	240 x 320	50 x 69.2 x 2.45	43.2 x 57.6	TFT	12 O'Clock	320	500	4P	60mA 3.2V	192	8/16 BIT MCU	37 Pin	option with resistive touch panel
2.8"		NHWD-028Q29-F02	240 x 320	50 x 69.2 x 3.65	43.2 x 57.6	TFT	6 O'Clock	280	300	4P	60mA 3.2V	192	MCU	37 Pin	resistive
2.8"		NHWD-028Q28-C01	240 x 320	50 x 69.2 x 3.9	43.2 x 57.6	TFT	6 O'Clock	250	500	4P	80mA 3.2V	256	MCU	37 Pin	capacitive
2.8"		NHWD-028Q34-C01	240 x 320	47.9 x 65.35 x 3.8	43.2 x 57.6	IPS	ALL	200	800	4P	60mA 3.3V	192	RGB	40 Pin	capacitive
3.0"		NHWD-030ST11-F02	240 x 400	45.4 x 77 x 3.7	38.88 x 64.8	TFT	12 O'Clock	320	250	4P	60mA 3.2V	192	MCU	40 Pin	resistive
3.0"		NHWD-030ST11-F01	240 x 400	45.4 x 77 x 2.45	38.88 x 64.8	TFT	12 O'Clock	350	250	4P	60mA 3.2V	192	8/9/16/18 BIT MCU	40 Pin	option with resistive touch panel
3.0"		NHWD-030ST12-F01	240 x 400	45.4 x 77 x 2.45	38.88 x 64.8	TFT	12 O'Clock	280	250	4P	60mA 3.2V	192	8/9/16/18 BIT MCU	40 Pin	option with resistive touch panel
3.2"		NHWD-032ST05-F02	240 x 320	55.94 x 77.6 x 3.6	48.6 x 64.8	TFT	12 O'Clock	330	500	5P	75mA 3.2V	240	8/16/18 BIT MCU / 16/18 RGB / 4W / 3W SPI	46 Pin	option with resistive touch panel
3.5"		NHWD-035ST12-F01	320 x 240	76.9 x 63.9 x 3.3	7.8 x 52.56	TFT	12 O'Clock	250	400	6S	20mA 19.2V	384	24 BIT RGB	54 Pin	option with resistive touch panel

Operation Temperature: -20°C ~ +70°C
Storage Temperature: -30°C ~ +80°C
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Dimensions: mm

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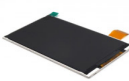
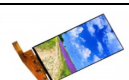
Size	Image	Item	Resolution	Module Size	Active Area	Display Mode	Viewing direction	Luminance (cd/m2)	Contrast Ratio	LED (Serial / Parallel)	Backlight (Current/Voltage)	Power Consumption (mW)	Interface	Pins	Touch
		NHWD-035ST28-F02	320 x 480	56.54 x 84.96 x 2.2	48.96 x 73.44	IPS	ALL	300	700	6P	90mA 3.2V	288	16 BIT MCU	38 Pin	option with resistive touch panel
3.5"		NHWD-035ST28-F02	320 x 480	56.54 x 84.96 x 2.2	48.96 x 73.44	TFT	12 O'Clock	300	700	6P	90mA 3.2V	288	16 BIT MCU	38 Pin	option with resistive touch panel
3.5"		NHWD-035ST36-F01	320 x 480	56.54 x 84.66 x 2.4	48.96 x 73.44	TFT	12 O'Clock	250	500	6P	90mA 3.2V	288	16/8 BIT MCU	40 Pin	option with resistive touch panel
3.5"		NHWD-035ST44-F02	320 x 480	55.4 x 84.71 x 3.65	48.96 x 73.44	TFT	12 O'Clock	250	500	6S	20mA 19.2V	384	8/9 BIT MCU/ 16/18/24 BIT RGB	51 Pin	option with resistive touch panel
3.5"		NHWD-035ST54-F02	320 x 240	76.9 x 63.9 x 4.2	70.08 x 52.56	TFT	6 O'Clock	450	300	6S	256mA 6.4V	240	RGB, Serial, MCU	50 Pin	resistive
3.5"		NHWD-035ST50-F01	320 x 240	76.9 x 63.9 x 3.26	70.08 x 52.56	IPS	ALL	350	800	6P	20mA 3.3V	396	24 BIT RGB	54 Pin	no
3.5"		NHWD-035ST48-F01	320 x 240	76.9 x 63.9 x 3.3	70.08 x 52.56	TFT	12 O'Clock	250	400	6P	20mA 3.3V	384	24 BIT RGB, SPI	54 Pin	no
3.5"		NHWD-035ST48-C01	320 x 240	77 x 64.25 x 4.4	70.08 x 52.56	TFT	6 O'Clock	250	400	6P	20mA 19.2V	384	24 BIT RGB	54 Pin	capacitive
3.5"		NHWD-035ST12-C01	320 x 240	77 x 64.25 x 4.4	70.08 x 52.56	TFT	12 O'Clock	360	400	6P	20mA 19.2V	384	24 BIT RGB, I2C	54 Pin	capacitive
4.0"		NHWD-040ZX07-C01	480 x 480	84 x 84 x 3.1	71.86 x 70.18	IPS	ALL	400	900	8P	40mA 12.8V	512	SPI, RGB	40 Pin	capacitive
4.0"		NHWD-040ST04-F01	480 x 800	57.14 x 96.85 x 2.3	51.84 x 86.4	IPS	ALL	250	900	8S	20mA 25.6V	512	24 BIT RGB/MCU	51 Pin	option with resistive touch panel
4.3"		NHWD-043ST12-F03	480 x 272	105.5 x 67.2 x 3.	95.4 x 53.86	TFT	6 O'Clock	250	550	7S	20mA 22.4V	448	24 BIT RGB	40 Pin	option with resistive touch panel

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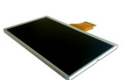
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4.3"		NHWD-043ST12-C01	480 x 272	115.5 x 77.2 x 4.7	95.4 x 53.86	TFT	6 O'Clock	250	550	7S	20mA 22.4V	448	24 BIT RGB	40 Pin	capacitive
4.3"		NHWD-043ST42-F01	800 x 480	105.5 x 67.2 x 3	95.4 x 53.86	IPS	ALL	400	800	12S	60mA 3.3V	768	24 BIT RGB	40 Pin	no
4.3"		NHWD-043CH19-C01	480 x 272	105.5 x 67.2 x 4.3	95.4 x 53.86	TFT	12 O'Clock	400	800	7S	20mA 22.2V	444	RGB	40 Pin	capacitive
4.3"		NHWD-043ST40-F01	480 x 800	62.36 x 105.75 x 2.1	56.16 x 93.6	IPS	ALL	330	800	8S	20mA 26.4V	444	RGB	45 Pin	resistiv
4.3"		NHWD-043ST43-C01	480 x 272	105.5 x 67.2 x 4.3	95.04 x 53.86	TFT	6 O'Clock	250	550	7S	20mA 22.4V	448	RGB	40 Pin	capacitive
4.3"		NHWD-043ST41-F01	800 x 480	105.5 x 67.2 x 3	95.04 x 53.86	IPS	ALL	400	800	12S	60mA 12.8V	768	RGB	50 Pin	no
5"		NHWD-050ST13-F01	800 x 480	120.7 x 75.8 x 3	108 x 64.8	TFT	6 O'Clock	350	500	6S x 2P=12	40mA 19.2V	768	RGB	40 Pin	no
5"		NHWD-050ST19-F02	800 x 480	120.9 x 75.95x 4.2	108 x 64.8	TFT	6 O'Clock	220	350	6S x 2P=12	40mA 19.2V	768	24 BIT RGB	40 Pin	option with resistive touch panel
5"		NHWD-050ST19-C03	800 x 480	127.9 x 84.9 x 4.58	108 x 64.8	TFT	6 O'Clock	200	350	6S x 2P=12	40mA 19.2V	768	24 BIT RGB	40 Pin	capacitive
5"		NHWD-050ST20-F01	480 x 800	65.35x 118.5 x 1.79	62.6 x 11.42	IPS	ALL	200	800	6S x 2P=12	40mA 19.2V	768	16 BIT RGB	45 Pin	no
5"		NHWD-050ST26-F01	720 x 1280	64.7x 118.8 x 2.5	62.1 x 11.4	IPS	ALL	250	800	6S x 2P=12	40mA 19.2V	768	4 LANE MIPI	27 Pin	no
7.0"		NHWD-070KQ21-F01	800 x 480	165 x 140.44 x 5.2	152.4 x 91.44	TFT	6 O'Clock	350	400	3S x 8P=24	160mA 9.9V	1584	18 BIT RGB	40 Pin	option with resistive touch panel

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7.0"		NHWD-070KQ40-F07	1024 x 600	163.64 x 97.11 x 2.6	154.21 x 85.92	IPS	ALL	400	800	3S x 9P=27	180mA 9.9V	1782	MIPI, LVDS, 30 Pin	30 Pin	no
7.0"		NHWD-070KQ38-F04 V.1	800 x 480	164.9 x 100 x 5.5	154.08 x 85.92	TFT	12 O'Clock	350	500	3S x 9P=27	180mA 9.6V	1728	24 BIT RGB	50 Pin	option with resistive touch panel
7.0"		NHWD-070KQ38-C05	800 x 480	179.4 x 117.4 x 7.37	154.8 x 85.92	TFT	12 O'Clock	200	500	3S x 4P=12	180mA 9.6V	768	24 BIT RGB	50 Pin	capacitive
7.0"		NHWD-070KQ20-C05	800 x 480	179.4 x 117.4 x 7.37	154.08 x 85.92	TFT	6 O'Clock	400	500	3S x 8P=24	180mA 9.6V	1728	24 BIT RGB	50 Pin	capacitive
7.0"		NHWD-070ZX44-F01	800 x 480	164.9 x 100 x 3.45	154.8 x 85.92	TFT	6 O'Clock	500	500	8S x 3P=24	60mA 21.4V	1284	24 BIT RGB	40 Pin	option with resistive touch panel
7.0"		NHWD-070ZX44-C01	800 x 480	179.4 x 117.4 x 5.7	154.8 x 85.92	TFT	12 O'Clock	450	500	8S x 3P=24	60mA 21.4V	1284	24 BIT RGB	40 Pin	capacitive
7.0"		NHWD-070DF31-F01	800 x 480	165 x 104 x 5.4	153.6 x 86.64	TFT	6 O'Clock	550	500	3S x 9P=27	170mA 9.3V	1728	Digital RGB Interface	40 Pin	no
7.0"		NHWD-070KQ38-F01	800 x 480	164.9 x 104 x 5.8	154.08 x 85.92	TFT	6 O'Clock	250	500	7S	80mA 9.6V	768	24 BIT RGB	50 Pin	no
7.0"		NHWD-070KQ49-F01	1024 x 600	164.9 x 99.9 x 3.5	154.21 x 85.92	TFT	6 O'Clock	350	600	3S x 7P=21	140mA 9.6V	1344	24 BIT RGB	50 Pin	no
7.0"		NHWD-070KQ40-C09	1024 x 600	168.15 x 99.25 x 4.6	154.21 x 85.92	IPS	ALL	350	800	3S x 9P=27	180mA 9.6V	1728	MIPI, I2C, LVDS	30 Pin	capacitive
8.0"		NHWD-080KQ08-F01	800 x 480	192.8 x 116.9 x 6.4	176.64 x 99.36	TFT	6 O'Clock	450	500	3S x 12P=36	240mA 9.3V	2232	24 BIT RGB	50 Pin	no
8.0"		NHWD-080KQ09-F01	1024 x 768	174 x 136 x 2.45	162.5 x 121.54	IPS	ALL	350	800	3S x 9P=27	180mA 9.3V	1674	LVDS	40 Pin	no

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8.0"		NHWD-080KQ09-C01	1024 x 768	201 x 152.3 x 4.6	162.05 x 121.54	IPS	ALL	350	800	3S x 9P=27	180mA 9.3V	1674	MIPI, I2C, LVDS	40 Pin	capacitive
9.0"		NHWD-090KQ04-F01	800 x 480	211.1x 126.5 x 7.5	198 x 111.69	TFT	6 O'Clock	250	500	3S x 11P=33	220mA 9.9V	2178	24 BIT RGB	50 Pin	capacitive
9.0"		NHWD-090KQ04-C01	800 x 480	211.1x 126.5 x 5.9	198 x 111.69	TFT	6 O'Clock	250	800	3S x 11P=33	220mA 9.9V	2178	24 BIT RGB	50 Pin	no
10.1"		NHWD-101KQ07-F01	1280 x 800	229.46 x 149.1 x 2.5	216.96 x 135.6	TFT	6 O'Clock	350	800	3S x 10P=30	200mA 8.8V	1760	LVDS	40 Pin	no
10.1"		NHWD-101KQ10-F01	1024 x 600	235 x 143 x 4.5	222.72 x 125.28	TFT	6 O'Clock	250	600	3S x 8P=24	160mA 3.3V		24BIT RGB	50 Pin	no
10.1"		NHWD-101KQ07-C01	1280 x 800	229.46 x 149.1 x 4.9	216.96 x 135.6	IPS	ALL	350	800	3S x 10P=30	200mA 8.8V	1760	LVDS	40 Pin	capacitive
10.1"		NHWD-101KQ14-F01	800 x 1280	143 x 228.6 x 2.8	135.36 x 216.58	IPS	ALL	250	800	3S x 9P=27	180mA 9.6V	1728	4 Lanes MIPI DSI	40 Pin	resistiv
10.1"		NHWD-101KQ10-C01	1024 x 600	235 x 143 x 6	222.72 x 125.28	TFT	6 O'Clock	220	600	3S x 8P=24	160mA 9.6V	1536	24BIT RGB	50 Pin	capacitive

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