

### Model Description

#### Civil Type

Size (inch)	Model	Colour	Resolution	Voltage(V)	Peripherals	Interface	Brightness	Temp(°C)	Viewing Area (mm)	Power (W)
3.5"	STVC035WT-01	65K (16 bit)	320*240 (4:3)	DC 6-15	Touch-Screen &KB&RTC	RS232//TTL/USB	250cd/m <sup>2</sup>	-20°C/+70°C	70.1*52.6	0.8
4.3"	STVC043WT-01	65K (16 bit)	480*272 (16:9)	DC 6-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	300cd/m <sup>2</sup>	-20°C/+70°C	95.0*53.9	1.0
5"	STVC050WT-01	65K (16 bit)	480*272 (16:9)	DC 6-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	350cd/m <sup>2</sup>	-20°C/+70°C	108*64.8	1.3
5.6"	STVC056WT-01	65K (16 bit)	640*480 (4:3)	DC 4.5-5.5	Touch-Screen &KB&RTC	RS232//TTL/USB	300cd/m <sup>2</sup>	-20°C/+70°C	112.9*84.7	2.2
7"	STVC070WT-01	65K (16 bit)	800*480 (16:9)	DC 6-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	300cd/m <sup>2</sup>	-20°C/+70°C	154.1*85.9	2.6
8"	STVC080WT-01	65K (16 bit)	800*600 (4:3)	DC 6-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	500cd/m <sup>2</sup>	-20°C/+70°C	162.0*121.5	2.8
10.1"	STVC101WT-01	65K (16 bit)	1024*600 (16:9)	DC 6-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	300cd/m <sup>2</sup>	-20°C/+70°C	222.7*125.3	3.0

#### Industrial Type

Size (inch)	Model	Colour	Resolution	Voltage(V)	Peripherals	Interface	Brightness	Temp(°C)	Viewing Area (mm)	Power (W)
3.5"	STVI035WT-01	65K (16 bit)	320*240 (4:3)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	250cd/m <sup>2</sup>	-20°C/+70°C	70.1*52.6	0.8
4.3"	STVI043WT-01	65K (16 bit)	480*272 (16:9)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	300cd/m <sup>2</sup>	-20°C/+70°C	95.0*53.9	1.0
5"	STVI050WT-01	65K (16 bit)	480*272 (16:9)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	350cd/m <sup>2</sup>	-20°C/+70°C	108*64.8	1.3
5"	STVI050WT-03	65K (16 bit)	800*480 (16:9)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	350cd/m <sup>2</sup>	-20°C/+70°C	108.0*64.8	2.4
5.6"	STVI056WT-01	65K (16 bit)	640*480 (4:3)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	280cd/m <sup>2</sup>	-20°C/+70°C	112.9*84.7	2.2
7"	STVI070WT-01	65K (16 bit)	800*480 (16:9)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	300cd/m <sup>2</sup>	-20°C/+70°C	154.1*85.9	2.6
7"	STVI070WT-03	65K (16 bit)	1024*600 (16:9)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	450cd/m <sup>2</sup>	-20°C/+70°C	154.1*85.9	3.0
8"	STVI080WT-01	65K (16 bit)	800*600 (4:3)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	500cd/m <sup>2</sup>	-20°C/+70°C	162.0*121.5	2.8
8"	STVI080WT-03	65K (16 bit)	1024*768 (4:3)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	500cd/m <sup>2</sup>	-20°C/+70°C	162.0*121.5	2.8
9.7"	STVI097WT-01	65K (16 bit)	1024*768 (4:3)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	400cd/m <sup>2</sup>	-20°C/+70°C	196.6*147.5	3.0
10.1"	STVI101WT-01	65K (16 bit)	1024*600 (16:9)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	300cd/m <sup>2</sup>	-20°C/+70°C	222.7*125.3	3.0
10.4"	STVI104WT-01	65K (16 bit)	800*600 (4:3)	DC 6-40	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	300cd/m <sup>2</sup>	-20°C/+70°C	211.2*158.4	3.0
Plastic Frame:		PS-043 / PS-056 / PS-070 / PS-080 / PS-104								
Metal Shell:		MS-035 / MS-043 / MS-050 / MS-056 / MS-070 / MS-080 / MS-101 / MS-104								

## Advanced Type

Size	Model	Colour	Resolution	Voltage(V)	Peripherals	Interface	Brightness	Temp(°C)	Viewing Area	Power
3.5"	STVA035WT-01	65K (16 bit)	320*240 (4:3)	DC 5-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	800cd/m <sup>2</sup>	-30°C/+85°C	70.1*52.6	0.8
4.3"	STVA043WT-01	65K (16 bit)	480*272 (16:9)	DC 5-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	800cd/m <sup>2</sup>	-30°C/+85°C	95.0*53.9	1.0
5"	STVA050WT-03	65K (16 bit)	800*480 (16:9)	DC 5-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	800cd/m <sup>2</sup>	-30°C/+85°C	108.0*64.8	2.4
7"	STVA070WT-01	65K (16 bit)	800*480 (16:9)	DC 5-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	1000cd/m <sup>2</sup>	-30°C/+85°C	154.1*85.9	2.6
8"	STVA080WT-01	65K (16 bit)	800*600 (4:3)	DC 5-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	900cd/m <sup>2</sup>	-30°C/+85°C	162.0*121.5	2.8
10.1"	STVA101WT-01	65K (16 bit)	1024*600 (16:9)	DC 5-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	850cd/m <sup>2</sup>	-30°C/+85°C	222.7*125.3	3.0
12.1"	STVA121WT-01	65K (16 bit)	800*600 (4:3)	DC 5-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	300cd/m <sup>2</sup>	-30°C/+85°C	246*184.5	6.0
15.1"	STVA101WT-01	65K (16 bit)	1024*768 (4:3)	DC 5-35	Touch-Screen &KB&RTC	RS232/RS485/TTL/USB	400cd/m <sup>2</sup>	-30°C/+85°C	304.1*228.1	6.0

## Note:

### 1. Supply the customization service.

- a. Custom any size TFT-LCD Module.
- b. Develop the customization function.
- c. Update the standard memory to 2 GB
- d. Change to RS485 port or other port.

### 2. Naming Rule (Taking STI070WT- 01 as example)

STV	Company Code
I	A=Advanced Type I=Industrial Type C=Civil Type
070	TFT Panel Dimension: 7 inch
W	W=Wide Voltage
T	T=With Resistive Touch Screen N=Without Touch Screen C=With Capacitive Touch Screen
0	0=RS232 4=RS485 1=TTL
1	Hardware Code

### 3. Main Differences for I-series & A-series

	Industry Type	Advanced Type
CPU	32bit Cortex-M4	32bit Cortex-M4
All of Components	Import product (the best components in the world)	Import product (the best components in the world)
TFT Screen Class	A class industrial TFT screen (5% TFT with no more than 3 dead pixels in the nconspicuous area.)	A+ class industrial TFT screen (All TFT with no dead pixels)
TFT Backlight Life	30000 hours	50000 or 100000 hours
Brightness	Normal Industrial Standard	High-Brightness (Visible in Sunlight)
Flash Memory	128MB Industrial Memory	128MB Industrial Memory
Voltage	DC 5-20 V	DC 5-42 V
Operation Temperature	-20°C to +70°C	-30°C to +85°C
PCB Surface Coating	None	With
Duration of Aging Test	24 hours	72 hours
Warranty Period	3 year (Replace by new one)	4 years (Replace by new one)
Price	High Cost Performance	30%-50% more than BasicType
Application	Satisfy the international standard of industry	Meet the advanced requirement