

**EVERVISION**

億力光電股份有限公司

EVERVISION ELECTRONICS CO., LTD



10.1" 1280 x 480 + IPCT + CG + LVDS Board



5.0" 800 x 480



7.0" 800 x 480 + Ultra Wide Viewing



**ADVANCED  
DISPLAY  
TECHNOLOGY**

ISO 14001 - Environment  
ISO 9001 - Quality

## Company Profile

EVERVISION ELECTRONICS LTD., founded in 1998, is a specialized LCD and LCM manufacturer offering customized TN, HTN, STN, FSTN, FFSTN, ASTN and VA ( Vertical Alignment ) technology.

We supply extensive semi and full custom monochrome LC modules with COB, COF, COG and TAB technology.

Furthermore, EVERVISION cooperates with tier one TFT panel manufacturers and integrates this technology to provide an interesting range of standard TFT modules and enlarges the service range by customized modifications. The TFT portfolio covers sizes from 3.5" to 10.2", larger sizes on request.

4.3" 480 x 272 + IPCT



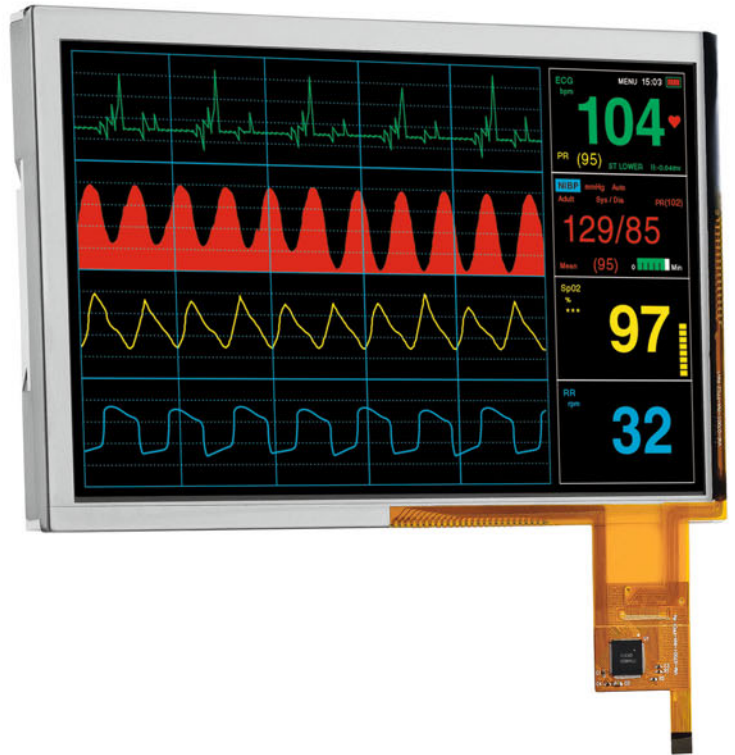
## Certifications

Evervision holds the following certifications:

TFT Module and IPCT Touchpanel:  
ISO9001, ISO14001

Mono LCD and LCM:  
ISO9001, ISO14001, TS16949

7.0" 800 x 480 + IPCT



Our Kunshan factory in mainland China stands for flexible production capacities and processes, to fulfill the needs and quantities for professional applications. 800 highly skilled employees working at three locations in Taiwan and Mainland China.

In 2006, EVERVISION established the German branch office and warehouse, and setup a network of pan-European distributors, offering local support and logistic service.

5.0" 800 x 480 + Ultra Wide Viewing



## EVERVISION Modular TFT Concept – Your request is our standard

EVERVISION provides a wide range of mid size TFT modules, complying in some cases to the industrial standards of Japanese TFT manufacturer. Because of the capabilities in customized LCM business, EVERVISION offer's the unique modular TFT concept, which allows the user to select his tailored TFT module.

Since EVERVISION keeps the tools on the raw materials in most cases, the minimum order quantity of 300-500 pcs can be offered which makes it suitable even for small and medium volume projects in the industrial, medical or other professional market segments. Moreover a long product lifetime can be achieved by this strategy.

Solutions for daylight application, long life LED backlight requirements and special touch panel technologies can be offered with focus on best cost / performance ratio.

Besides the standard solutions, EVERVISION offers semi-customized TFT solutions to meet special mechanical or interface requirements, or to realize replacements of discontinued TFT modules other manufacturer. Depending on requirements for customization, minimum order quantity is 300pcs to 1kpcs per shipping lot at reasonable tooling costs.

### Sizes and Features

Size inch	Number of Dots	Color Depth	Outline Dimensions Basic Type without Touchpanel (WxHxT) cm	Technology	TFT Line		Touch Panel Option		Brightness Types ( nits / typ. ) / LED lifetime @ 25°			LED Driver	DCDC Converter	Special Polarizers			Interface					Operation Temp.	
					Industrial	Low Cost	4 wire res.	IPCT	Standard	High Brightness	Ultra High Brightness			Ultra Wide Viewing	Anti Reflection	Transmissive Micro Reflective	MCU	TTL RGB	LVDS	HDMI	eDP	-20 +70°	-30 +80°
3.5	320 x 240	18bit	76,90 x 63,90 x 3,30	TN	●		●	●	350 / 10khrs min.	800 / 30khrs typ.	1200 / 60khrs typ.	○	●	●	●	●	●	-	-	-	●	●	
4.3	480 x 272	24bit	105,50 x 67,20 x 3,10	TN	●		●	●	-	650 / 60khrs typ.	1200 / 60khrs typ.	○	●	●	●	●	●	-	-	-	●	●	
4.3	480 x 272	24bit	105,50 x 67,20 x 3,95	TN	●		●	●	500 / 10khrs min.	-	-	-	●	●	●	-	-	-	-	-	●	-	
5.0	800 x 480	24bit	118,50 x 77,55 x 3,40	TN	●		●	●	510 / 30khrs typ.	-	-	-	●	●	●	●	●	-	●	●	●	-	
5.0	800 x 480	24bit	118,50 x 77,55 x 6,46	TN	●		●	●	510 / 30khrs typ.	-	-	● / -	●	●	●	●	-	-	● *4	-	-	●	-
5.0	800 x 480	24bit	118,50 x 77,55 x 3,40	TN		●	●	●	500 / 60khrs typ.	-	1200 / 60khrs typ.	○	●	●	●	●	○	●	●	●	●	●	-
5.0	800 x 480	24bit	118,50 x 77,55 x 6,46	TN		●	●	●	500 / 60khrs typ.	-	1200 / 60khrs typ.	● / -	●	●	●	●	-	-	● *4	-	-	●	-
5.7	320 x 240	18bit	167,00 x 109,00 x 8,90	TN	●		●	○	350 / 40khrs min.	-	-	○	●	●	●	-	○	●	-	-	-	●	-
5.7	320 x 240	18bit	144,00 x 104,60 x 13,00	TN	●		●	●	380 / 40khrs min.	700 / 50khrs typ.	1200 / 50khrs typ.	●	●	●	●	-	●	●	-	-	-	●	-
5.7	640 x 480	18bit	144,00 x 104,60 x 13,00	TN	●		●	●	450 / 50khrs typ.	700 / 50khrs typ.	1200 / 50khrs typ.	●	●	●	●	-	○	●	● *3	●	●	●	-
6.5	800 x 480	24bit	155,20 x 89,40 x 5,50	TN		●	○	●	500 / 20khrs min.	-	-	-	-	-	-	-	-	●	-	○	○	-	-30 +85°
7.0	800 x 480	24bit	164,90 x 100,00 x 5,70	TN		●	○	●	400 / 20khrs min.	-	-	-	-	-	-	-	-	●	-	-	-	-	-30 +85°
7.0	800 x 480	24bit	164,90 x 100,00 x 8,96	TN		●	○	●	400 / 20khrs min.	-	-	●	●	-	-	-	○	●	● *4	●	●	-	●
7.0	800 x 480	18bit	166,60 x 109,40 x 10,00	TN	●		●	●	500 / 40khrs min.	-	1000 / 50khrs typ.	●	●	●	-	-	-	●	● *3	●	●	●	●
7.0	1024 x 600	24bit	165,75 x 105,39 x 2,45	TN		●	○	●	500 / 50khrs min.	-	-	-	-	●	-	-	-	-	● FFC	-	-	●	-
7.0	1024 x 600	24bit	165,75 x 105,39 x 8,06	TN		●	○	●	500 / 50khrs min.	-	-	● / -	●	●	-	-	-	-	● *4	●	●	●	-
8.0	800 x 480	24bit	192,80 x 116,90 x 6,40	TN		●	●	●	450 / 20khrs min.	-	1000 / 50khrs min.	-	-	-	-	-	-	●	-	-	-	-	-30 +85°
8.0	800 x 480	24bit	192,80 x 116,90 x 9,46	TN		●	●	●	450 / 20khrs min.	-	1000 / 50khrs min.	● / -	●	-	-	-	-	●	● *4	●	●	-	●
8.0	800 x 600	24bit	183,00 x 141,00 x 6,30	TN		●	●	●	250 / 20khrs min.	-	-	○	○	-	-	-	-	●	○	○	○	●	-
9.0	800 x 480	24bit	211,10 x 126,50 x 5,90	TN		●	●	●	250 / 20khrs min.	-	-	○	○	-	-	-	-	●	○	○	○	●	-
10.1	1024 x 600	24bit	235,00 x 143,00 x 4,50	TN		●	○	●	500 / 20khrs min.	-	-	-	-	-	-	-	-	-	● FFC	-	-	●	-
10.1	1024 x 600	24bit	235,00 x 143,00 x 9,06	TN		●	○	●	500 / 20khrs min.	-	-	● / -	●	-	-	-	-	-	● *4	●	●	●	-
10.1	1280 x 800	24bit	229,46 x 149,10 x 2,50	AAS *1		●	○	●	550 / 60khrs typ.	-	-	-	-	-	-	-	-	-	● FFC	-	-	0 +50°	-
10.1	1280 x 800	24bit	229,46 x 149,10 x 5,80	AAS *1		●	○	●	550 / 60khrs typ.	-	-	● / -	●	-	-	-	-	-	● *4	●	●	0 +50°	-
10.1	1280 x 800	24bit	229,46 x 149,10 x 4,80	AAS *1		●	○	●	500 / 20khrs min.	-	-	-	-	-	-	-	-	-	● FFC	●	●	●	-
10.1	1280 x 800	24bit	229,46 x 149,10 x 4,80	IPS		●	○	●	-	-	1200 / 50khrs typ.	○	○	-	-	-	-	-	● FFC	●	●	●	-
10.2	800 x 480	24bit	235,00 x 145,80 x 5,90	TN		●	●	●	350 / 20khrs min.	-	-	○	○	-	-	-	○	●	○	○	○	-	-30 +85°
10.25	1280 x 480	24bit	265,20 x 109,80 x 7,00	HFFS *2		●	○	○	-	800 / 30khrs min.	-	○	○	-	-	-	-	-	● FFC	○	○	●	-

Larger TFT sizes on request

- not available ● Feature available ○ Feature available with NRE costs \*1 AAS (Azimuthal Anchoring Switch) technology provides viewing angles of 85° / 85° / 85° / 85° \*2 HFFS (High performance Field Fringe Switching) technology provides viewing angles of 85° / 85° / 85° / 85° \*3 Interface connector HIROSE DF19K-20P-1H \*4 Interface connector HIROSE DF19G-30P-1H



## IPCT – Improved Projected Capacitive Touchpanel

Size inch	Partnumber	Outline Dimensions (WxHxT) cm	Viewing Area cm	Active Area cm	Interface	Remark
3.5	VIM03504-INB	76,40 x 63,40 x 1,10	73,40 x 55,90	71,10 x 54,31	I <sup>2</sup> C	rectangle FPC
3.5	VIM03505-INA	76,40 x 63,40 x 1,10	73,40 x 55,90	71,10 x 54,31	I <sup>2</sup> C	straight FPC
4.3	VIM04300-INB	105,50 x 67,20 x 1,10	99,70 x 57,76	95,95 x 54,80	I <sup>2</sup> C	
5.0	VIM05000-INB	117,70 x 76,75 x 1,10	110,40 x 67,40	108,85 x 65,80	I <sup>2</sup> C	
5.0	VIM05000-UNA	117,70 x 76,75 x 1,10	110,40 x 67,40	108,85 x 65,80	USB	
5.7	VIM05701-INA	132,15 x 101,70 x 1,40	119,30 x 90,50	116,20 x 87,40	I <sup>2</sup> C	
5.7	VIM05701-UNA	132,15 x 101,70 x 1,40	119,30 x 90,50	116,20 x 87,40	USB	
6.5	VIM06501-INA	155,20 x 89,40 x 1,40	146,20 x 79,50	144,43 x 77,70	I <sup>2</sup> C	
7.0	VIM07006-INA	166,20 x 109,00 x 1,40	155,50 x 94,50	153,40 x 92,44	I <sup>2</sup> C	
7.0	VIM07006-UNA	166,20 x 109,00 x 1,40	155,50 x 94,50	153,40 x 92,44	USB	
7.0	VIM07007-INA	160,50 x 106,50 x 1,40	151,76 x 95,60	150,75 x 94,60	I <sup>2</sup> C	
7.0	VIM07008-INA	164,40 x 99,50 x 1,40	156,70 x 89,10	155,19 x 86,92	I <sup>2</sup> C	
7.0	VIM07009-INA	165,15 x 104,80 x 1,40	156,70 x 89,10	155,19 x 86,92	I <sup>2</sup> C	
7.0	VIM07009-UNA	165,15 x 104,80 x 1,40	156,70 x 89,10	155,19 x 86,92	USB	
7.0	VIM07010-INA	164,50 x 103,50 x 1,40	156,70 x 89,10	155,19 x 86,92	I <sup>2</sup> C	
7.0	VIM07010-UNA	164,50 x 103,50 x 1,40	156,70 x 89,10	155,19 x 86,92	USB	
8.0	VIM08003-INA	182,60 x 140,60 x 1,40	165,80 x 125,30	163,00 x 122,50	I <sup>2</sup> C	4:3 aspect
8.0	VIM08002-INA	192,40 x 116,50 x 1,40	181,10 x 104,40	177,47 x 100,36	I <sup>2</sup> C	wide format
8.4	VIM08401-INA	184,50 x 147,55 x 1,40	173,50 x 131,40	171,34 x 128,80	I <sup>2</sup> C	
9.0	VIM09001-INA	210,60 x 126,00 x 1,40	201,60 x 115,50	198,99 x 112,70	I <sup>2</sup> C	
10.1	VIM10101-INA	228,96 x 148,60 x 1,40	220,46 x 139,10	217,90 x 136,60	I <sup>2</sup> C	
10.1	VIM10101-UNA	228,96 x 148,60 x 1,40	220,46 x 139,10	217,90 x 136,60	USB	
10.2	VIM10201-INA	234,50 x 145,30 x 1,40	225,30 x 135,70	223,06 x 133,47	I <sup>2</sup> C	
10.4	VIM10401-INA	225,80 x 172,20 x 2,20	155,50 x 172,70	212,05 x 159,40	I <sup>2</sup> C	
10.4	VIM10401-UNA	225,80 x 172,20 x 2,20	155,50 x 172,70	212,05 x 159,40	USB	
12.1	VIM12103-UNA	260,00 x 206,36 x 2,20	250,00 x 188,50	246,77 x 185,32	USB	
15.0	VIM15001-UNA	325,50 x 252,50 x 2,20	308,40 x 232,30	305,23 x 229,00	USB	under development
15.6	VIM15600-UNA	362,80 x 214,92 x 2,20	348,17 x 197,84	348,07 x 194,54	USB	under development
17.0	VIM17000-UNA	357,50 x 295,50 x 2,20	342,35 x 275,00	338,85 x 271,34	USB	under development

All IPCT's coming with 10 touchpoint function and Chip-On-Flex structure

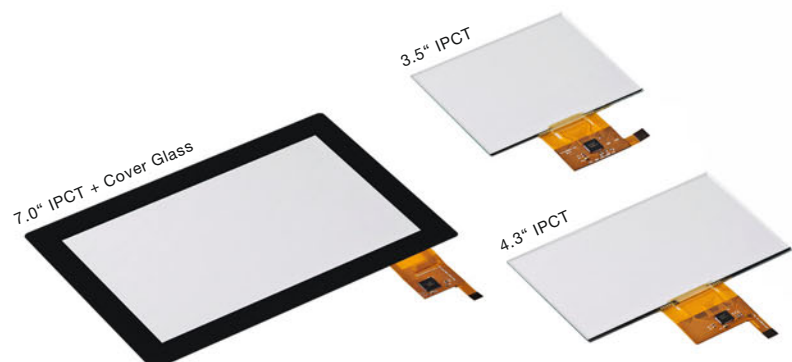
The IPCT line has found a high acceptance in the market for professional applications, because it combines:

- the use of well available ITO glass instead of critical ITO film as sensor
- large vertical range of manufacture
- high yield rate in production
- 300 pcs minimum order quantity
- customization welcome

The IPCT outlines are compatible to resistive touch panel so that upgrades can be realized without housing changes.

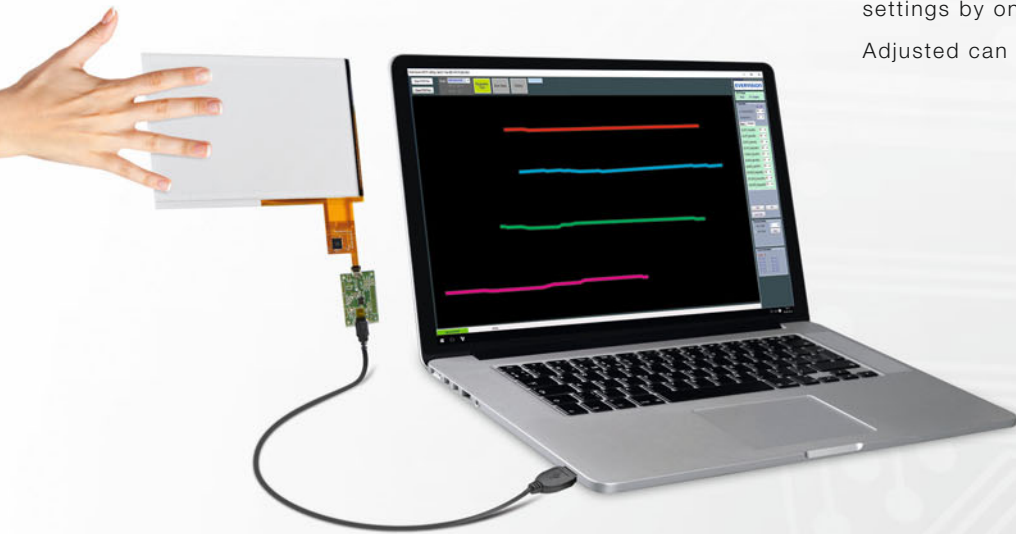
This technology allows to attach a customized **Cover Glass** to the IPCT. Glass thicknesses up to 3.0 mm are possible and can be cost-effective bonded by tape or for best performance by **Optical Bonding**.

Full customized IPCT can be offered at reasonable tooling charges. On next page we introduce the IPCT evaluation Tool.



## IPCT – Evaluation Tool

For mass production, the new parameters can be transmitted to your EVERVISION representative, so that the IPCT comes from the factory already programmed with the new adjustments.



In order to attach a Cover Glass to the IPCT, the touch controller parameters need to get adjusted. Also for the use of gloves, by the new IPCT Evaluation Tool the user now can define the ideal settings by oneself directly from the notebook. Adjusted can be 12 parameters.

## Custom Design LCD and LCM

The market for monochrome LCD and LCM in industrial countries still is showing a significant demand despite the growing market for colour displays.

Since company foundation customized LCD and LCM business has been a core competence of EVERVISION which two production sites in mainland China.

We can offer full design service from the first sketch to the final LC product. The technologies can be offered are TN, HTN, STN, FSTN, FFSTN, ASTN and VA ( Vertical Alignment ) technology in order to fulfill most industrial requirements.

In most case the MOQ is 1 kpcs per lot for LCM to follow even the demands for small and mid range volume applications.



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