

Industrial High Brightness Chassis Mount LCD

High Brightness Chassis mount metal housing, 21.5" LCD monitor, 1920 x 1080, Super Bright 1500 nits, 1000:1 with VGA, DVI, HDMI, 100~240V AC-in, Operating temp -10 to 50C, Light sensor: one grade (100% to 30%), with 50cm sensor cable

MODEL: GCHW2150HB1

OVERVIEW

GCH Series is a Chassis monitor designed for commercial and industrial applications at outdoors and indoors. Such as kiosks, digital signage, military, security, industrial equipment and instrumentation equipment. This product can provide high brightness / contrast to achieve better viewing effect and good reliability at wide environments conditions.

FEATURES HIGHLIGHTS:



- Metal Chassis/Housing for higher Impact protection. (Optional for Front AR Glass or Vandal Resistant glass)
- Built-in speaker built-in speakers that allow the convenience Audio output.
- Side OSD buttons can prevent unnecessary setting changes.
- Above 24" LCD will include Front IR Sensor and Remote controller.
- Auto Video Signal ON / OFF
- Auto Always Power On

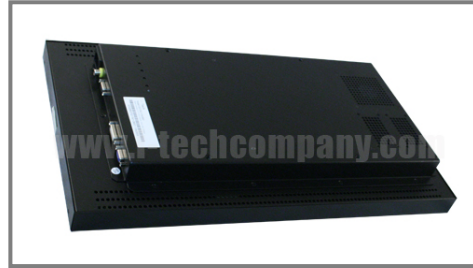


- Ultra low speed/Noise fan for extra cooling (24" LCD or above)
- VESA Mounting Hole Pattern
- Reliable built-in Power supply for 15" or above (Optional for 9-36V DC input)



- Standard VGA Input (Optional for DVI, HDMI, AV, BNC, AV looping and SDI)
- Optional for RS232 Remote Control Protocol: Command Code to set system

PHOTO GALLERY:



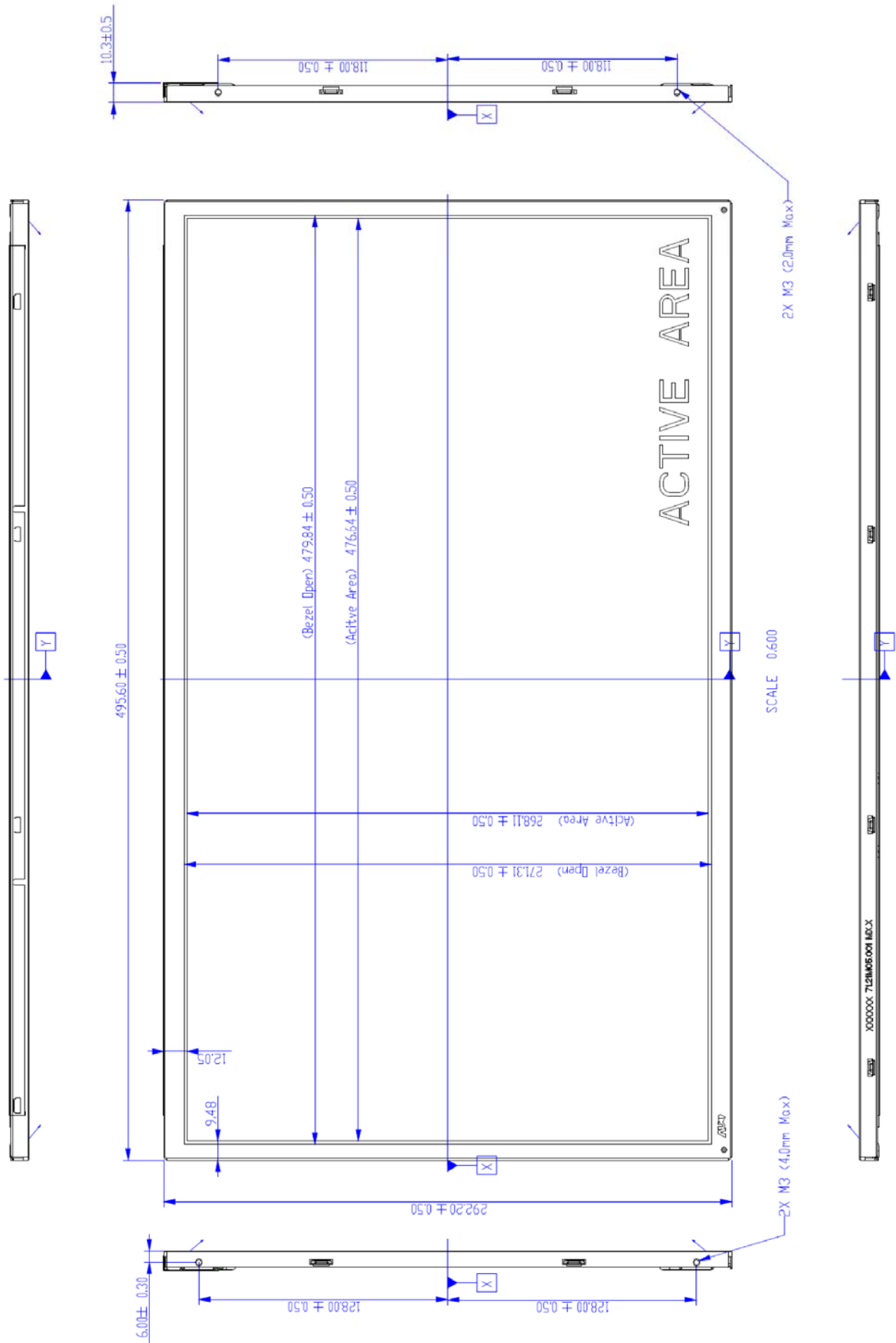
FEATURES:

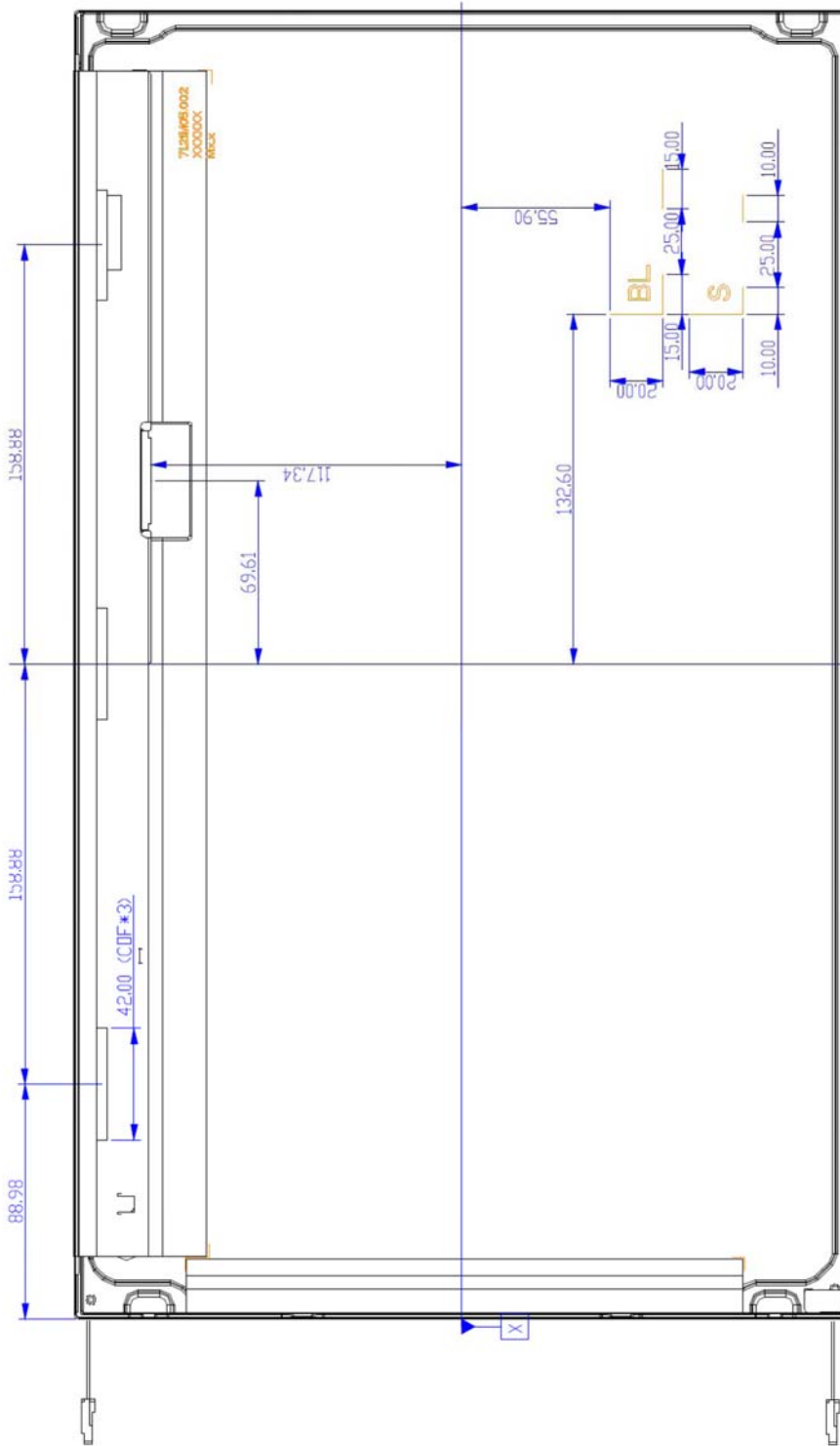
- Extreme high brightness display, 1500nits.
- LED backlight
- WUXGA (1920x1080 pixels) full HD resolution
- RoHS Compliance

SPECIFICATIONS:

Items	Unit	Specification
Screen Diagonal	mm	546.86 (21.53")
Active Area	mm	476.64(H) x 268.11 (V)
Pixels H x V	pixels	1920(x3) x 1080
Pixels Pitch	um	248.25(per one triad) x 248.25
Pixel Arrangement		RGB Vertical stripe
Display mode		TN mode, normally white
White luminance (center)	Cd/m ²	1500 (Typ.)
Contrast ratio		1,000 (Typ.)
Optical Response Time	msec	5 ms (Typ. on/off)
Normal Input Voltage VDD	Volt	5
Power Consumption (VDD Line + LED lines)	Watt	38.1 (Typ.) VDD line:4.6 W, all black pattern; LED=33.5W
Weight	Grams	1750 (Typ.)
Physical size	mm	495.6 x 292.2 x10.3 (Typ.) (LED driver is not included)
Electrical Interface		Dual Channel LVDS
Support Colors		16.7 M colors (RGB 6-bits + Hi_FRC)
Surface Treatment		Anti-Glare, 3H
Temperature range Operating	°C	-10 ~ 50 -
Storage (Shipping)	°C	20 ~ 60
RoHS Compliance		RoHS Compliance

MECHANICAL DRAWING:





(LED cable length: 200 +/- 10 mm)

LCD OPTIONS:



LED Backlight Options

Introducing LED backlight options for monitors for energy efficiency and a brighter screen.



TouchScreen Options

Our LCD has a wide selection option to choose which touchscreen technology suits for you.

	Four-Wire Resistive	Five-Wire Resistive	Pen Touch	Capacitive	Surface Wave(Saw)	Infrared Touch (Ir)
PRODUCT SIZE	1.7" - 24"	10.4" - 24"	15" - 19"	12" - 24"	10.4" - 30"	10.4" - 42"
TOUCH LIFE	1 - 2 million touches	30 - 35million touches	100 million touches	100 million touches	50 million touches	Long-term reliability
SCRATCH RESISTANCE	Hard Coated	Hard Coated	Hard Coated (SiO ²)	Hard Coated (SiO ²)	Glass Overlay Moh's hardness rating of 7	Glass Overlay Moh's hardness rating of 7
CONTAMINANT RESISTANCE	Resists moisture, dirt, vinegar, ammonia based food products and cleansers	Resists moisture, dirt, vinegar, ammonia based food products and cleansers	Resists moisture, dirt, vinegar, ammonia based food products and cleansers	Resists moisture, dirt, vinegar, ammonia based food products and cleansers	Resists moisture, dirt, vinegar, ammonia based food products and cleansers	Resists moisture, dirt, vinegar, ammonia based food products and cleansers
INPUT METHOD	Finger, Gloved Hand, Stylus	Finger, Gloved Hand, Stylus	Stylus Pen	Finger	Finger, Gloved Hand, Soft pliable stylus	Finger, Gloved Hand, Stylus
CONTROLLER	USB, RS232	USB, RS232	USB, RS232	USB, RS232	USB, RS232	USB, RS232



VIDEO Input Options:

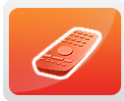
For Video inputs options:

DVI, DVI+HDMI, SVideo+AV, SVideo+AV+DVI, AV+Looping, DVI+AV+Looping, HD-SDI, BNC(PAL/NTSC)



Optical Bonding Options

- Optical Bonding provides the best reduction of ambient light washout of any commercially available enhancement technology.
- Optical Bonding has a lower cost than most other competing technologies.
- Optical Bonding offers superior ruggedization, enhancing the display durability under vibration, shock and other environmental extremes.



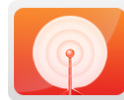
RS-232 Remote Control Options

Remote Control Protocol: Command Code to set system



9-36V DC Input Options

iTech offers a selection of DC input from 9V to 36V



Light Sensor and Motion Sensor Options

iTech LCD offers Light and Motion Sensor

Privacy Filter

Front Glass Options:

- Anti Reflective AR Glass 3mm
- Anti Reflective AR Glass 6mm Vandal-Resistance
- Anti Reflective AR Glass 8mm Vandal-Resistance
- Anti Glare AG Glass 3mm

