INDUSTRIAL HIGH BRIGHTNESS CLOSE FRAME MONITOR

Chassis/VESA/Surface mount 21.5" LCD support 1920x1080 FHD resolution 3000 nits extremely high brightness 178/178 view angle free landscape / portrait directions Video signal IO: VGA / HDMI / DVI Special 24/7 long-term operation design Auto temperature / brightness control RS232 command control port Metal chassis with VESA / ear mount design

MODEL: GCHW2150HB3-V1

FEATURES:

- 21.5" LCD support 1920x1080 FHD resolution
- 3000 nits extremely high brightness
- 178/178 view angle free landscape / portrait directions
- Video signal IO: VGA / HDMI / DVI
- Applied 100~240V AC power input
- Special 24/7 long-term operation design
- Auto temperature / brightness control
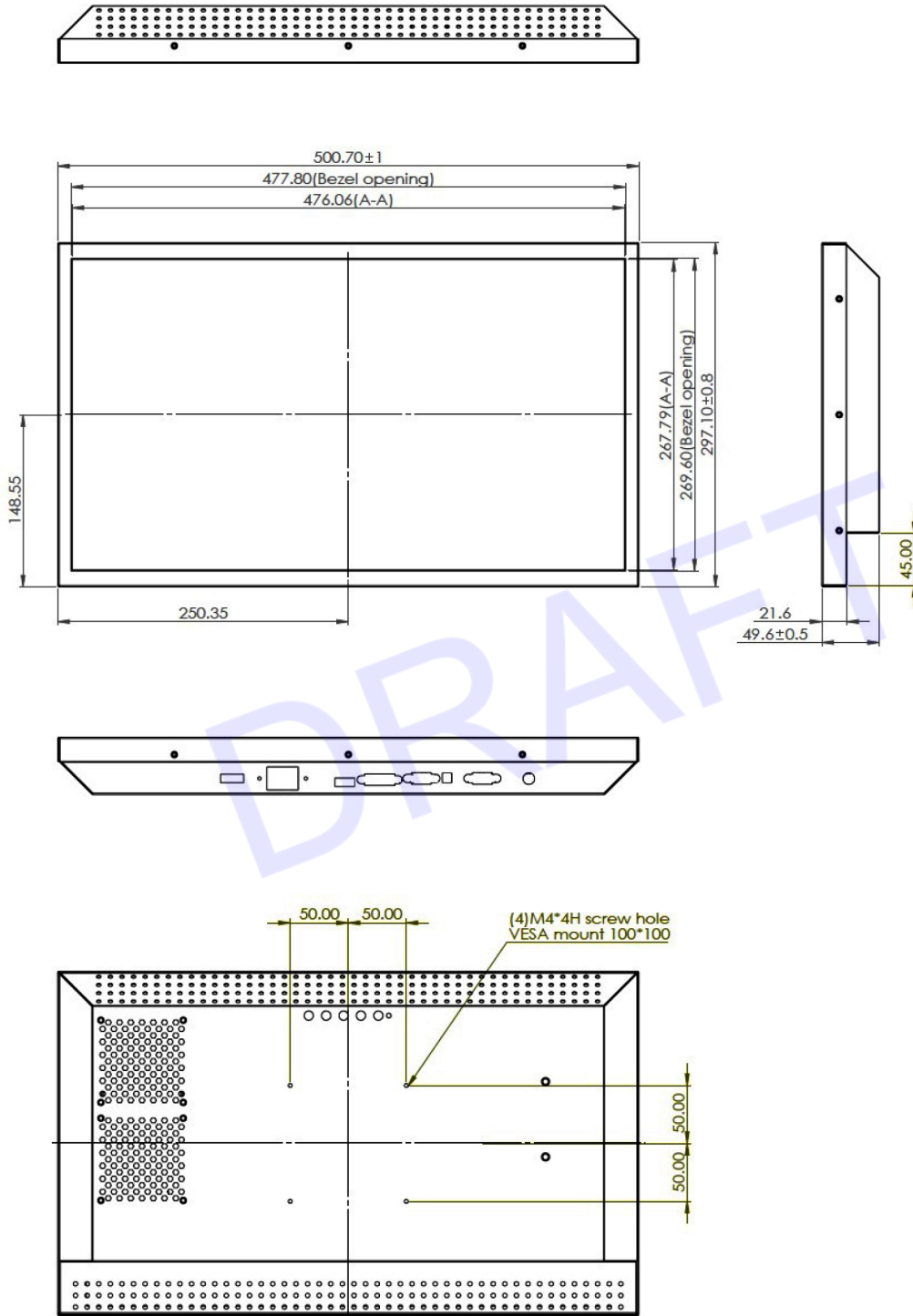- RS232 command control port

SPECIFICATIONS:

FUNCTION	ITEMS		DESCRIPTION	REMARK
DISPLAY	Display area (mm)		476.064 (H) x 267.786 (V)	21.5" diagonal
	Brightness (nits)		3000	
	Optimum resolution		1920 x 1080	
	Contrast Ratio		1000 : 1	
	View angle		178 / 178 degree	In all direction
	Backlight Life		50,000 hours	
SYSTEM	Video input		VGA / HDMI / DVI	
	Video output		N/A	
	Audio	Built-in	(Option)	2Wx2
		Extend	N/A	
	Memory		N/A	
	Storage		N/A	
	Ethernet		N/A	
	Wireless		N/A	
SPECIAL CONTROL	Manual		N/A	
	OSD		5 keys on the back	
	RS232		YES	
	Display feedback		N/A	
POWER	Power Input voltage		AC 100-240 V	
	Consumption(W)		100 (typ.)	
MECHANICAL	Outline (mm)		500.7 x 297.1 x 49.6 (TBD)	
	Mounting		100 x100 (mm) VESA	
	Others		N/A	
ENVIRONMENT	Operating temp.		-10~50 °C	Auto temperature control
	Storage temperature		-10~55 °C	
	IP protection		TBD	
	Anti-vandal		N/A	
	Auto brightness		YES	External light sensor cable
	Direct sunlight		N/A	
	Certification		CE / FCC	

Specifications subject to change without notice, not responsible for typographical errors.

MECHANICAL DRAWING:

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.
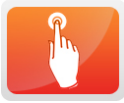

500.70±1
477.80(Bezel opening)
476.06(A-A)

267.79(A-A)
269.60(Bezel opening)
297.10±0.8

148.55

250.35

45.00

21.6
49.6±0.5

50.00   50.00

(4)M4*4H screw hole
VESA mount 100*100

50.00

50.00

50.00

DRAFT

Drawing No.: GCHW2150HB3-V1-10212022-V1

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.

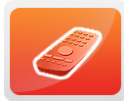|	Four-Wire Resistive	Five-Wire Resistive	Pen Touch	Capacitive	Surface Wave(Saw)	Infrared Touch (Ir)
PRODUCT SIZE	1.7" - 24"	10.4" - 24"	15" – 19"	12" - 24"	10.4" - 30"	10.4" - 42"
TOUCH LIFE	1 – 2 million touches	30 – 35million touches	100 million touches	100 million touches	50 million touches	Long-term reliability
SCRATCH RESISTANCE	Hard Coated	Hard Coated	Hard Coated (SiO²)	Hard Coated (SiO²)	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.
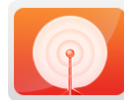
RS-232 Remote Control Options
Remote Control Protocol: Command Code to set system

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