

IDP-31230W

100% flat projected capacitive touch industrial grade monitors. Ultra-thin profile, smooth rounded corners and rugged glass fronted for a totally contemporary outlook.

NEW



Features

- 23.0" wide LCD panel with LED backlight and viewable
- Operating temperature: 0 to +40°C; Storage temperature: -20 to +60°C
- Regular brightness: 250 Cd/m²
- Resolution: 1280 x 800
- Contrast ratio: 1000:1
- 80°/80°/80°/80° wide view angle for portrait and landscape mode
- 10 points projected capacitive touch overlay
- VGA & DVI-D & HDMI & DisplayPort interface
- No need for additional keyboards or mouse
- Plug and play without any touch or controller
- Rugged surface, contemporary style and thin profile



Introduction

The IDP-31230W is a solution for response to a requirement for a contemporary setting in demanding applications such as public display, retail of goods, information medical and portable etc. All IDP-31230W series product features a beautiful, easy-to-use and maintain glass surface with a thin product available. In each mode can also use in both portrait and landscape mode, also evenly packaged in such a way that no mechanical parts are needed other than a VESA mount to create a display system. It is used a metal chassis provides a rugged and stable platform to build up the entire wide range of applications. The built-in touch and the choice of a display with similar or even multi-touching will have looking to drive as the best product choice.

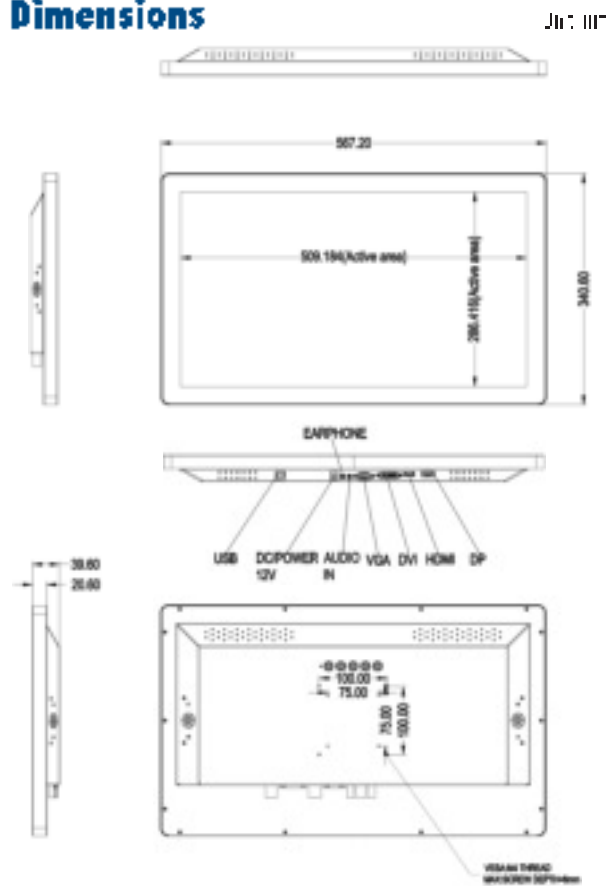
Typical Applications

- Storage and public information
- Kiosk mode
- Systems and portable
- Medical
- Digital assistant

Specifications

Display Features	Spec	Notes
Model	IDP-31230W	
Backlight	LED	Light source
Resolution	1280 x 800	Native resolution. Other resolution supported by software
Brightness	250 cd/m ²	Measured at typical operating voltage
Viewing Angle	80°/80°/80°/80°	Contrast ratio > 100
Surface treatment	AG	Anti-glare / Anti-glare
Contrast Ratio	1000:1	In laboratory under ambient conditions
Max Colors	16.7M	Color supported
Response time	4ms	Typical
Backlight Lifetime	30,000 hours	At time to half brightness in room temperature operation
Cover glass	4.3/0.4mm	
Operating Temp	0 to +40°C	Industrial Use
Touch Sensor	10 points PC	Projected capacitive overlay
Input/Output	VGA, DVI, HDMI, DP	
Power	15W	Power & Sleep consumption

Dimensions



Touch Screen Options

Type 23.0" wide Screen	Cover glass (CG)	Analogue Resistive (AR)	Surface Acoustic Wave (SAW)	Surface Capacitive (SCAP)	Projected Capacitive (PCT)	Intra-red (IR)	Multi-Touch
	☒	☐	☐	☐	☒	☐	☒
Construction	43mm front stretched glass	10mm front stretched glass	4mm pure glass stretched	4mm coated poly glass	10mm front with Optical stretched glass	3mm tempered glass with infrared sensor	other PC panel
Surface	GH	GH	GH	<4F	<4F	<4F	
Durability (abrasion resistance)	GH	2.1H	2.5H	2.1H	2.1H	2.1H	
Flexing (potential bubbles)	PC ¹ C	PC ¹	PC ¹	PC ¹	PC ¹ 120°/300	PC ¹ 100°/400mm	PC ¹
Transparency	83.2%	81%	80.5%	81.1-85%	82%		
Drop test	600x700mm	2250x800 steel ball bottom screen only	1000g 80mm	1000g 800 x 1000mm only	2250x800 steel ball bottom screen only	1000g 400mm ball drop test bottom screen only	2250x800 steel ball from 80cm height
Access thickness (mm)	3000x10mm	1.3mm	6mm	8mm	3000x10mm	500 drawing	500 drawing
Custom Options	Anti-glare Optical bonding	Optical bonding	Substrate (Analogical, Anti glare, bare touch)	Optical bonding, bare touch	Anti-glare, Glass paneling, Customer logo, Touchs touch color, 25, 20%, Optical bonding	2-point, 4F, visible Optical bonding	extended cover glass backlighting Whole bonding

System/Electrical Features

System / Electrical	Spec	Unit / Notes
Power Consumption	30W	spec. consumption at standard brightness and on surface
Power Supply	12V/3.0A	external DC power (bracket included) input voltage: +20%/-5% external Adapter: 100-240VAC, 50/60Hz
Video Input (available options)	V: VGA V: DVI V: HDMI O: Composite J: JEK V: DisplayPort	Native resolution: Other resolutions supported by ADI card setting
On-Screen Display (OSD)	6 Lines Menu Functions	Menu: Auto power, Factory Power ON/Off, brightness, Contrast, screen setting, Output, input, language, OSD settings, Factory Reset, Auto Adjust

Mechanical Features

Mechanical	Spec	Notes
Overall size	667.2x240.0x33.0mm	[Frontal]
Active Area Size	503.2x181x266.42 (V) x 100mm	
Case / bezel color	black or white powder coat	Custom colour and finishes are also available on request
Weight	4.5kg	
VESA Mounting Options	75x75, 100x100mm	No. User defined mounting requirements contact us

Environmental Features

Environmental	Spec
Operating Temp	0 to 40°C
Storage Temp	-20 to 60°C
Humidity	30% RH
Vibration	10G, 100-2000Hz, 4-10mm travels (5 min/g)
Agency Approvals	CE, FCC, RoHS

Ordering Information

Model Name	Description
DP-31230WZ-00000	23.0" wide industrial back projection for with 10 series PCT touchscreen, 2400mm brightness, VESA DVI & HDMI & DisplayPort Input

Accessory Package

- Power supply (100-240V), USB-A & power cord, VGA cable, DVI cable, HDMI cable, DisplayPort cable, JEK cable for touch function

A: Advanced monitors are configurable on demand. Use www.advantech.com/products to configure orders online and contact us for all models.