

IDP-31150

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

- Touch LCD panel with LED backlight and service life
- Operating temperature: 0 to +40°C; Storage temperature: 20 to 60°C
- Regular brightness: 400 Cd/m²
- Resolution: 1024x768
- Contrast ratio: 800:1
- 80°/90°/90°/90° wide view angle for portrait and landscape mode
- 10 touch points projected capacitive touch overlay
- VGA & DVI-D interface
- No need for additional keyboards or mouse
- Plug and play without any touch or mouse
- Rugged metal body, contemporary style and thin profile



Introduction

The IDP-31150 monitor responds to a requirement for contemporary styling in demanding applications such as public display, retail point of sale, information, medical and portable use. All IDP-31150 series products feature a beautiful, easy-to-use and durable glass surface with a wide range of product available. In each mode, can be used in both portrait and landscape mode, also cleverly packaged in such a way that no mechanical parts are needed other than a VESA mount to create a display system. The use of a metal chassis provides a rugged and stable platform for use in the widest range of applications. The design must be able to be used in a front or rear view, with a wide range of mounting options.

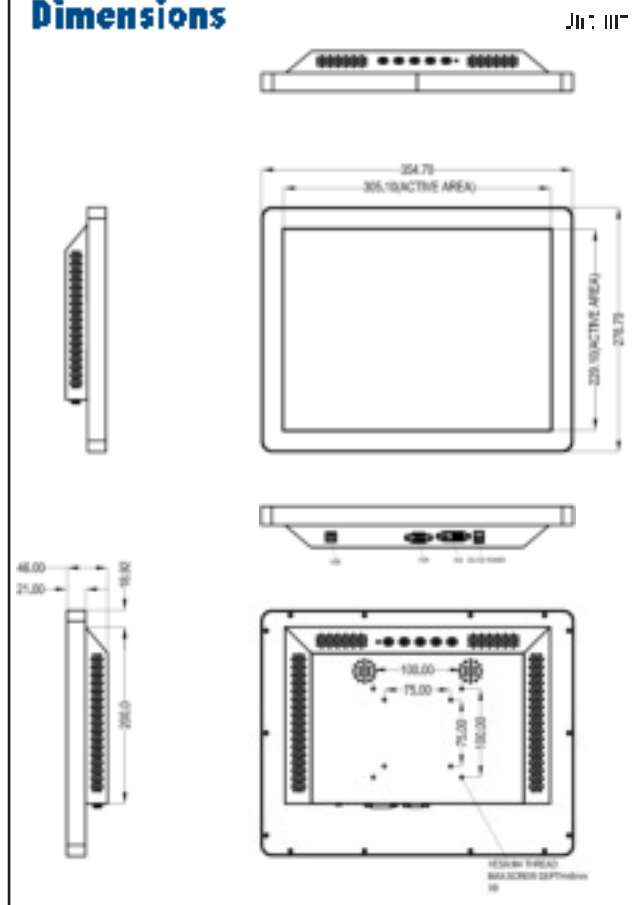
Typical Applications

- Storage and public information
- Kiosk
- System partition
- Medical
- Digital assistant

Specifications

Display Features	Spec	Notes
Model	IDP-31150	
Backlight	LED	Light source
Resolution	1024x768	Native resolution. Other resolutions supported on LCD panel setting.
Brightness	400 cd/m ²	Measured at typical operating voltage.
Viewing Angle	80°/90°/90°/90°	Left/Right/Up/Down
Surface treatment	Anti-glare	Anti-reflective glass
Contrast Ratio	800:1	In laboratory measurement conditions.
Max Colors	16.7M	Visible on panel only.
Response time	7ms	Typical
Backlight Lifetime	30,000 hours	Typical to full brightness in both temperature operation.
Cover glass	2.7mm/3mm	
Operating Temp	0 to +40°C	Industrial Use
User Input	10 touch points	Projected capacitive overlay
Input/Output	VGA, DVI	
Memory	RAM	Front & Back memory for

Dimensions



Touch Screen Options

Type 15.0" Screen	Cover glass (CG)	Analogue Resistive (AR)	Surface Acoustic Wave (SAW)	Surface Capacitive (SCAP)	Projected Capacitive (PCT)	Infra-red (IR)	Multi-Touch
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Construction	2mm heat strengthened glass	10mil (max) 2.5mm glass	4mm pure glass sensor	hard coated poly glass	10mil (max) with chemical strengthened glass	3mm tempered glass with infrared sensor	other PC or ITP
Surface	GH	GH	VH	VHF	VHF	VH	
Stability (in production)	GH	GH	VH	VHF	VHF	VH	
Flaring (potential) points	PC ¹	PC ¹	PC ¹	PC ¹	PC ¹	PC ¹	PC ¹
Transparency	83.2%	81%	80.5%	81.1-83%	82%	79.5-83.5mm	
Drop test	600g/30cm	22/60/80 steel ball from 30cm height	100g/30cm	100g/30cm (with touch)	22/60/80 steel ball from 30cm height	100g/83.5mm ball dropped from height of 1m	22/60/80 steel ball from 80cm height
Access thickness (top)	3.0mm/3.0mm	1.3mm	6mm	8mm	3.0mm	3.0mm drawing	3.0mm drawing
Custom Options	Anti-glare Optical bonding	Optical bonding	Substrate, Waterproof, Anti-glare, bare touch	Optical bonding, bare touch	Anti-glare, Glass painting, Customer logo, Custom touch (e.g. 5, 25, 20%), Optical bonding	2-point, 4-point, Optical bonding	extended cover glass, back lighting, White bonding

System/Electrical Features

System / Electrical	Spec	Unit / Notes
Power Consumption	72W	spec consumption at standard brightness and temperature
Power Supply	12V/3.0A	external DC power (input provided) input voltage: +20% (max) external Adapter: 100-240VAC, 50/60Hz
Resolution (available) options	VGA V. DVI HDMI COMPOSITE USB DisplayPort	Native resolution. Other resolutions supported by software setting
On-Screen Display (OSD)	6 Lines Menu Functions	Menu: Brightness, Contrast, Power On/Off, Brightness, Contrast, sensor setting, Volume, Temp, Language, OSD Settings, RGB/AVI, Recall, Auto Adjust

Mechanical Features

Mechanical	Spec	Notes
Overall size	357 (max) x 249 (max) x 10mm	Profile
Active area size	305 (max) x 220 (max) x 0.3mm	
Case / bezel color	black or white powder coat	Custom colour and finishes are available on request
Weight	2.48kg	
VESA Mounting Options	75 x 75, 100 x 100mm	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	100, 100-2000, 2-4000 rps (sine)
Agency Approvals	CE, FCC, FCCB

Ordering Information

Model Name	Description
DP-31150-40000010	15.0" industrial black bezel monitor for with 10.0" (max) PCT touch screen, 400cd/m ² brightness, VGA & DVI input

Accessory Package

- Power supply (12V/3.0A), USB-C & power cord, VESA cradle, DP cable, USB cable and touch controller

A: Available monitors are configurable on order. Use www.advantech.com/monitor to view configurations, pricing and delivery terms / models