

# IDP-31270W

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

- 27.0" wide LCD panel with LED backlight and silver bezel
- Operating temperature: 0 to +40°C; Storage temperature: 20 to 60°C
- Regular brightness: 300 Cd/m<sup>2</sup>
- Resolution: 1280 x 1024
- Contrast ratio: 900:1
- 80°/82°/82°/82° wide view angle for portrait and landscape mode
- 10 touch points (active capacitive touch overlay)
- VGA, DVI-D, HDMI & DisplayPort interface
- No need for additional cables or hardware
- Plug and play without any touch or software
- Rugged surface, contemporary style and thin profile



## Introduction

The IDP-31270W is a solution for response to requirements for contemporary setting in demanding applications such as public display, retail, medical information, medical and portable. All IDP-31 series products feature a beautiful, easy-to-use and durable glass surface with a thin profile product available in each mode. Can also use in both portrait and landscape mode, also comes 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 demanding wide range of applications. The monitor must be used in the correct orientation to ensure a good full frequency response looking at the device as the product is used.

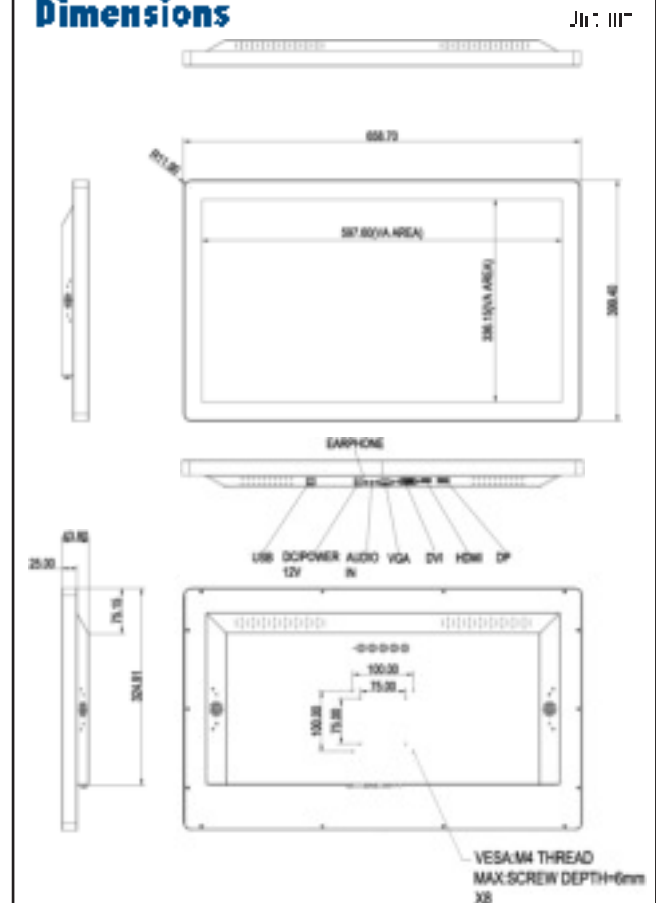
## Typical Applications

- Storage and public information
- Way find
- Systems and portable
- Medical
- Digital assistant

## Specifications

Display Features	Spec	Notes
Model	IDP-31270W	
Backlight	LED	Light source
Resolution	1280 x 1024	Native resolution. Other resolutions supported on & DVI-D
Brightness	300 cd/m <sup>2</sup>	Maximum typical operating voltage
Viewing Angle	80°/82°/82°/82°	Left/Right/Up/Down
Surface treatment	GH	Anti-Glare/In-glass
Contrast Ratio	900:1	In laboratory in usual ambient conditions
Max Colors	16.7M	See Input/Output
Response time	7ms	50%G
Backlight Lifetime	30,000 hours	At time to half brightness in room temperature operation
Cover glass	4.30mm	
Operating Temp	0 to +40°C	Industrial Use
User Sensor	10 points PC	Projected capacitive overlay
Input/Output	VGA, DVI, HDMI, DP	
Power	PC	Frame & Stand dimension for

## Dimensions



## Touch Screen Options

Type 27.0" wide 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	4mm heat-strengthened glass	10mm (max) 2.5mm glass	4mm pure glass sensor	hard coated poly glass	10mm (max) with chemical strengthened glass	3mm tempered glass with infrared sensor	other PC or IP
Surface	GH	GH	GH	GH	GH	GH	
Durability (abrasion resistance)	10H	10H	15H	10H	10H	10H	
Flaring (potential scratches)	PC <sup>1</sup>	PC <sup>1</sup>	PC <sup>1</sup>	PC <sup>1</sup>	PC <sup>1</sup>	PC <sup>1</sup>	PC <sup>1</sup>
Transparency	83.2%	81%	83.2%	81.1-83%	82%	79.5-83.2%	
Drop test	600g/1.50m	2250g/80 speed to touch screen height	100g/1.50m	100g/80g (max height)	2250g/80 speed to touch screen height	100g/83.2mm ball dropped from height of 1.5m	2250g/80 speed to touch screen height
Access thickness (mm)	3.98mm (0.157in)	1.3mm	6mm	6mm	3.98mm	3.98mm	3.98mm
Custom Options	Anti-glare Optical bonding	Optical bonding	Substrate (Analog), Anti-glare, bare touch	Optical bonding, bare touch	Anti-glare, Glass painting, Customer logo (User's touch only), 25, 27", Optical bonding	2ports, 4H-vesting Optical bonding	extended cover glass backlighting White bonding

## System/Electrical Features

System / Electrical	Spec	Unit / Notes
Power Consumption	82%	spec. consumption at standard brightness and temperature
Power Supply	12V/3.0A	external DC power (brick included) input voltage: 4-24VDC/5% external Adapter: 100-240VAC, 50/60Hz
Resolution (variable options)	M: 1024 M: 800 M: 800 O: 800x600 @ 60Hz J: 800 M: 800x600	Native resolution. Other resolutions supported by ADU and scaling
On-Screen Display (OSD)	6 Lines Menu Functions	Menu: Auto Power, Factory Power ON/Off, brightness, Contrast, sensor setting, Output, Input, Language, OSD settings, eSATA/USB, Auto Adjust

## Mechanical Features

Mechanical	Spec	Notes
Overall size	658 x 328.8 x 48.13mm	Frontal
Active area size	584.0 x 311.8 x 35.15mm	
Case / bezel color	black / white / power cord	Custom colour and finishes are available on request
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, 100-200Hz, 4.51mm rms (z, y, x)
Agency Approvals	CE, FCC, FCCB

## Ordering Information

Model Name	Description
DP-31270W3UCHB1G	27.0" wide industrial back projection for with 10 cores, 40TB resolution, 300 cd/m <sup>2</sup> brightness, 4K, 6-Port, 6-Port & DisplayPort model

## Accessory Package

- Power supply (110V/240V), USB-C & power cord, VESA cable, DP cable, HDMI cable, DisplayPort cable, J&E cable for blue frame

A: Available monitors are configurable on order. Use [www.advantech.com](http://www.advantech.com) to get configuration price and details for all models.