

# IDP-31156W

**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

- 15.6" wide LCD panel with LED backlight for long service life
- Operating temperature 0 to +40° C ; Storage temperature -20 to +60° C
- Regular brightness 400 CD/m<sup>2</sup>
- Resolution 1366 x 768
- Contrast ratio 500 : 1
- 85°/85°/80°/80° wide view-angle for portrait and landscape mode
- 10 points projected capacitive touch overlay
- VGA & DVI I/O interface
- No need for additional enclosures or metalwork
- True plug and play without any touch driver needed
- Pure flat surface, contemporary style, and thin profile



## Introduction

The IDP-31156W ProFlat monitor responds to a requirement for contemporary styling in demanding applications such as public signage, front of house information, medical and point-of-sale. All IDP-31 series product features a truly-flat, easy to clean and maintain glass surface with long term product availability. Each model can be used in both portrait and landscape mode, also cleverly packaged in such a way that no further 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 to build solutions for the widest range of applications. 10 points multi-touch and the choice of either black or white finish create further opportunity for those seeking to differentiate their next product design.

## Typical Applications

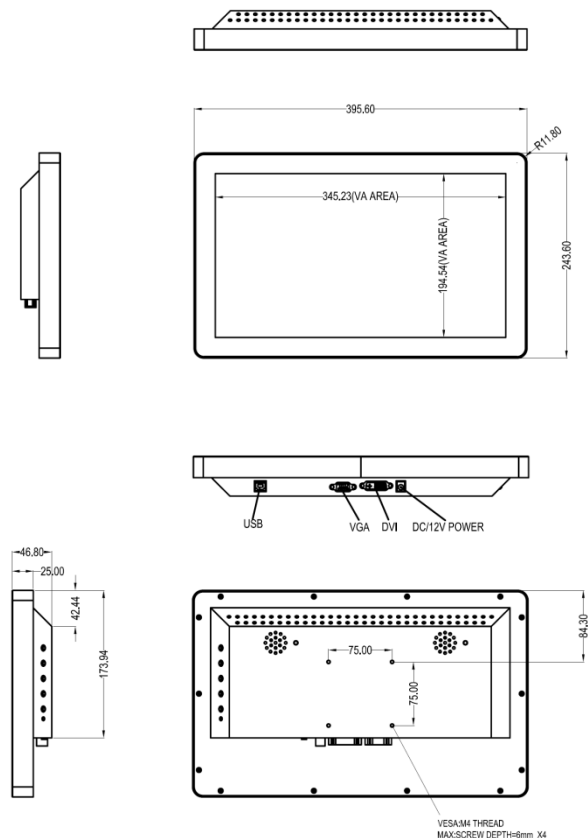
- Signage and public information
- Way-finder
- Kiosks and point of sale
- Medical
- Digital assistant

## Specifications

Display Features	Spec	Notes
Model	IDP-31156W	
Backlight	LED	Light source
Resolution	1366 x 768	Native resolution. Other resolutions supported by A/D card scaling
Brightness	400 cd/m <sup>2</sup>	Measured at typical operating voltage
Viewing Angle	85°/85°/80°/80°	Left/Right/Up/Down
Surface Treatment	6H	MoHS/Anti-glare
Contrast Ratio	500 : 1	In laboratory measurement conditions
Max Colors	16.7M	6/8 bit per colour
Response Time	8ms	Typical
Backlight Lifetime	50,000 hours	Typ. time to half brightness in room temperature operation
Cover glass	2.4±0.3mm	
Operating Temp	0° to +40° C	Industrial use
Touch Screen	10 points PCT	Projected capacitive overlay
Input / Output	VGA, DVI	
IP Rating	IP51	Front & Side of the monitor

## Dimensions

Unit: mm



## Touch Screen Options

Type 15.6" wide Screen	Cover glass (CG)	Analogue Resistive (AR)	Surface Acoustic Wave (SAW)	Surface Capacitive (SCAP)	Projected Capacitive (PCT)	Infra-red (IR)	Multi-touch
	☑	☐	☐	☐	☑	☐	☑
Construction	2.4mm heat strengthened glass	ITO film to ITO coated glass	4mm pure glass sensor	Hard coat ITO pure glass	ITO film/film with Chemical strengthened glass	3mm tempered glass with infrared sensor	Either PCT or IR
Surface	6H	3H	7H	<4H	<4H	7H	-
Durability (no of touches)	-	> 1m	>5m	>1m	>1m	>1m	-
IP Rating (potential)	IP51	IP51	IP51	IP51	IP51	IP51	IP51
Touches	0	1	1	1	1/2/10/30	1040g/63.5mm	-
Transparency	93±2%	81%	90±5%	91±1.5%	82%	-	-
Drop Ball	500g / 50cm	227g/38Ø steel ball from 80cm height	1040g / 90cm	UL60950 (Tough touch only)	227g/38Ø steel ball from 80cm height	1040g/63.5mm ball dropped from height of 1.0m	227g/38Ø steel ball from 80cm height
Added thickness (typ.)	3/4/5/6/10/12mm	1.8mm	6mm	8mm	3/4/5/6mm	See drawing	See drawing
Custom Options	AR coating Optical bonding	Optical bonding	Dustproof, Waterproof, Anti-glare, Safe touch	Optical bonding, Tough touch	AR coating, Glass painting, Customer logo, 10points touch (21.5",23",24"), Optical bonding	2points, AR coating, Optical bonding	Extended cover glass Back printing Whole cutting

## System/Electrical Features

System / Electrical	Spec	Unit / Notes
Power Consumption	20W	Typical consumption at standard brightness and temperature
Power Supply	12V / 3.5A	External DC power brick (included) Input voltage : +12VDC±5% External Adapter: 100-240 VAC, 50-60 Hz
Video Input (available options)	V VGA V DVI HDMI COMPOSITE E USB DisplayPort	Native resolution. Other resolutions supported by A/D card scaling
On-screen Display (OSD)	5- keys Menu Functions	Menu / up / down / enter / Power ON-OFF Brightness, Contrast, Screen Setting, Colour Temp, Language OSD Settings, VGA/DVI, Recall, Auto Adjust

## Mechanical Features

Mechanical	Spec	Notes
Overall size	395.6 x 243.6 x 46.8mm	[ProFlat
Active Area Size	345.23 (H) x 194.54 (V) ± 0.3mm	
Case / Bezel color	Black or White powder coat	Custom colour and finishes available
Weight	3.17kg	Typ .inc touch
VESA Mounting Options:	75 x 75mm	For User defined mounting requirements contact rep

## Environmental Features

Environmental	Spec
Operating Temp	0 to +40° C
Storage Temp	-20 to +60° C
Humidity	90% RH
Vibration	1.5G, (10~200Hz, P-P) 30 mins/axis (X, Y, Z)
Agency Approvals	CE, FCC, RoHS

## Ordering Information

Model Name	Description
IDP-31156WP40DVB1G	15.6" wide industrial black ProFlat monitor with 10 points PCT touchscreen, 400 cd/m² brightness, VGA & DVI input

## Accessory Package

- Power supply (110V-240V), UK/EU/US power cord, VGA cable, DVI cable, USB cable for touch function

All Advantech monitors are configurable to order. Use [www.advantech.com](http://www.advantech.com) for guidance on versions, pricing and deliver for all models