




MONITOR DISPLAY MODULE

Product Specification

Customer	Standard or customer name		
Product Number	DM-151BD-STD		
Ordering Part Number	DM-151BD-OP5R02	Air bound, PCT	
	DM-151BD-OP5R04	Optically Bond, PCT	
Customer Approval		Date:	

Internal Approvals

Product Mgr	Doc. Control	Electr. Eng
		Thomas Walker
Date: 13/09/17	Date: 13/09/17	Date: 13/09/17

Revision Record

Rev.	Date	Page	Chapt.	Comment	ECR no.
A	13/09/17	--	--	Initial Release	

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1.0 General Descriptions

1.1 Introduction

This is an advanced 15.1" Monitor Bar cut touch Monitor, with Projected Capacitive touch panel, 1280 x 248 resolution, 178 degree wide viewing angle, remarkable 300 nits brightness and a durable, professional mechanical design.

1.2 Main Features

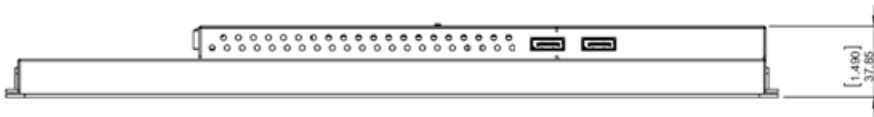
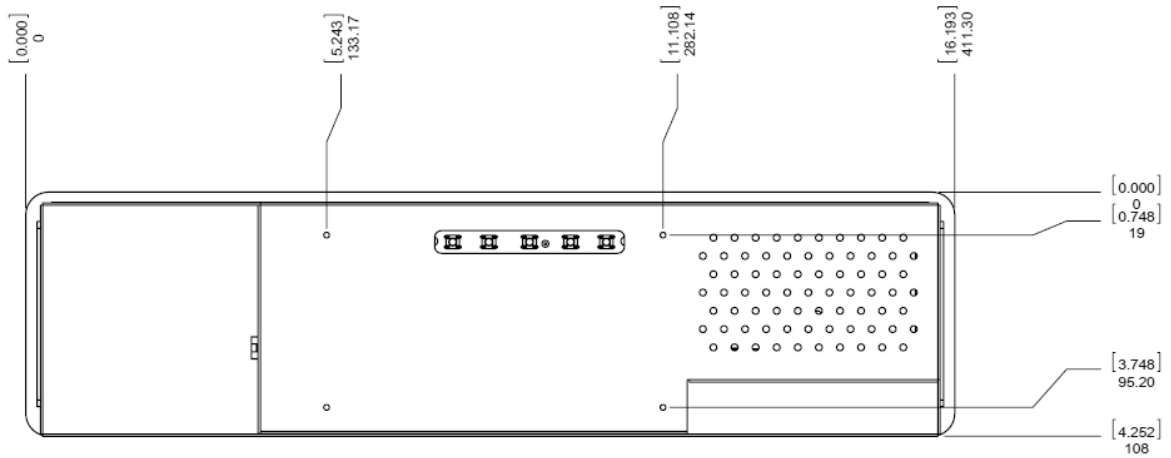
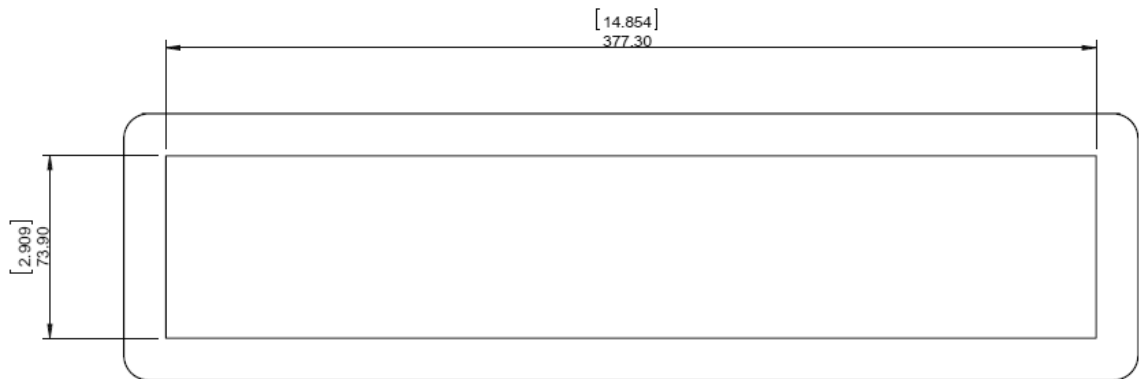
Item	Contents
Display Format	1280 x 248
Colour	16.7M colours (8-bit RGB)
Overall Dimensions	411.3 (W) × 108 (H) × 37.86 (D) mm
Viewing Area	377.30 (W) x 73.90 (H) mm
Screen Size	15.1"
I/O	1 x DP, 1 x HDMI, 1x USB Type B for touch
Touch Type	Projective Capacitive Multi Touch
Multi touch	10 points
Operating temperature	0°C ~ +45°C
Storage temperature	-20°C ~ +60°C

2.0 Mechanical Specification

2.1 Mechanical Characteristics

Item	Characteristic	Unit
Display Format	1280 x 248	Dots
Overall Dimensions	411.3 (W) × 108 (H) × 37.86 (D)	mm
Viewing Area	377.30 (W) x 73.90 (H)	mm
Display colour	16.7M	
Mounting	User hole for M4 Screw	

2.2 Mechanical Drawing



3.0 Electrical Specification

3.1 Power

Item	Remark
Normal Input Voltage Range	12V DC \pm 10%
Power Connector	Molex 5559-04P
Power Consumption	14W Typical

4.0 Touch Specification

4.1 Electrical Features

Item	Remark
Touch Type	PCT Touch (Projected Capacitive Touch)
Touch Point	Multi touch points (up to 10 fingers)
Interface	USB Type B
OS Support	Win 7, Win 8 and Win 10 in multi-touch

5.0 Optical Specification

5.1 Optical Characteristics

Characteristics	Symbol	Conditions	Min	Typ	Max	Unit
Brightness	L _{br}		-	300	-	cd/m ²
Dark Room Contrast	CR		-	2000:1	-	
View Angle			178/178	-	-	degree

6.0 Environmental Specification

6.1 Environmental Characteristics

Item	Remark
Operating Temperature	0°C ~ +45°C
Storage Temperature	-20°C ~ +60°C
Humidity	5~90% @ 40°C, non-condensing