

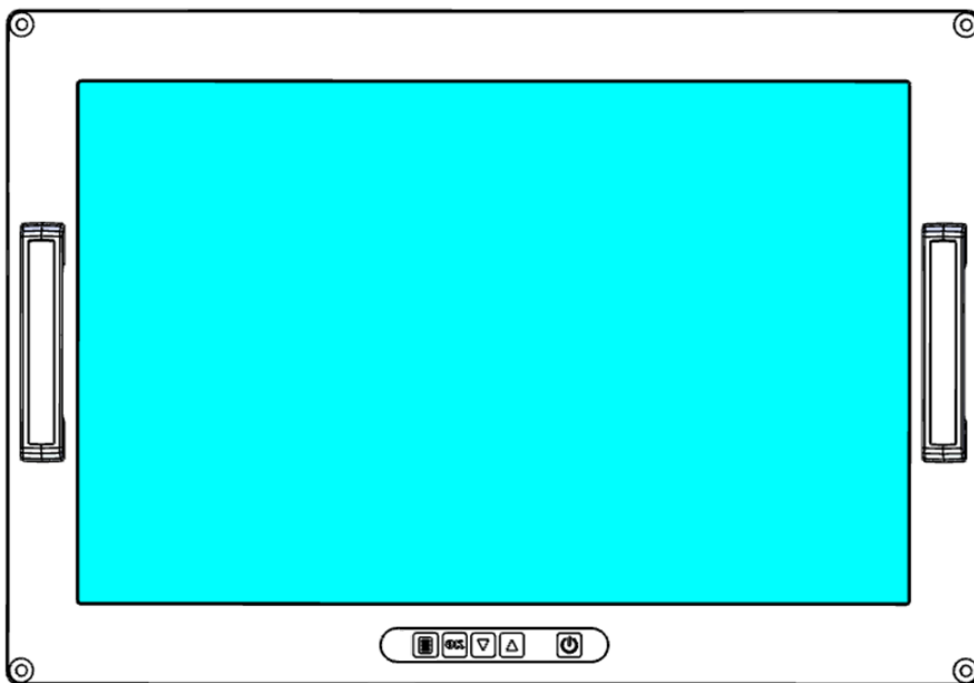
MIC-D2106-OF2

21.5" Military LCD Monitor Open Frame

Features

- 21.5" LCD Size
- 1920 x 1080 Resolution
- 1000 nits Brightness (After Bonding)
- -20 to + 60°C Operating Temperature
- EMI Mesh, Optical Bonding
- D38999 Types Connectors for Interfaces
- Open Frame Design
- 18-32VDC Input

Appearance





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Revision Table

Date	Revision	Content	By
2025/4/2	0.1	First Draft	Dennis

MIC-D2106-OF2

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Specification

LCD Panel	
LCD Size	21.5" TFT LCD
Backlight	LED
Resolution	1920 x 1080
No. of colours	16.7M
View Angle	± 89° (H), ±89° (V)
Luminance	300nits (After Bonding)
Contrast Ratio	1000:1
Pixel Pitch	0.24795 x 0.24795mm
Aspect Ratio	16:9
LCD Panel Life time	50,000 Hrs.
Interface	LVDS
Response Time	15ms (Tr+Tf)
Active Area	476.064(W) x 267.786(H) mm
Touch Glass	
EMI Mesh	Yes
Optical Bonding	Yes
Cover Glass	Strengthen Glass
Glass Surface Hardness	≥5H

Environmental performance may vary according to the integration method or final integration scenario.

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Specification

Interfaces	
Power Input	1x 18-32VDC Input Connector: D38999/20WA98PN Cap: D38999/33W9N
Input Sources	2x HDMI 1x DVI 1x VGA
OSD Keypad	Membrane Type
OSD Keys	Multi Language OSD Menu; Buttons: Power ON/OFF, Menu, Exit, Up, Down
Mechanical	
Material	Aluminium Alloy
Design	Open Frame with Front Handle
Dimension	Approx. 566 x 362 x 50mm

Environment Compliance

Operating Temp.	-20°C to +60°C
Storage Temp.	-30°C to +80°C
Humidity	Ta≤40°C, 90%RH, Non-Condensing
Shock	Design to meet MIL-STD-810G
Vibration	Design to meet MIL-STD-810G
EMI/EMC	Design to meet MIL-STD461E/F

Note 1: Environmental performance may vary according to the integration method or final integration scenario.

Note 2: Follow the industrial quality standard this LCD panel will include minimum 3 bright or dead pixels on viewable area and maxium total 5 bright or dead pixels on whole LCD panel.

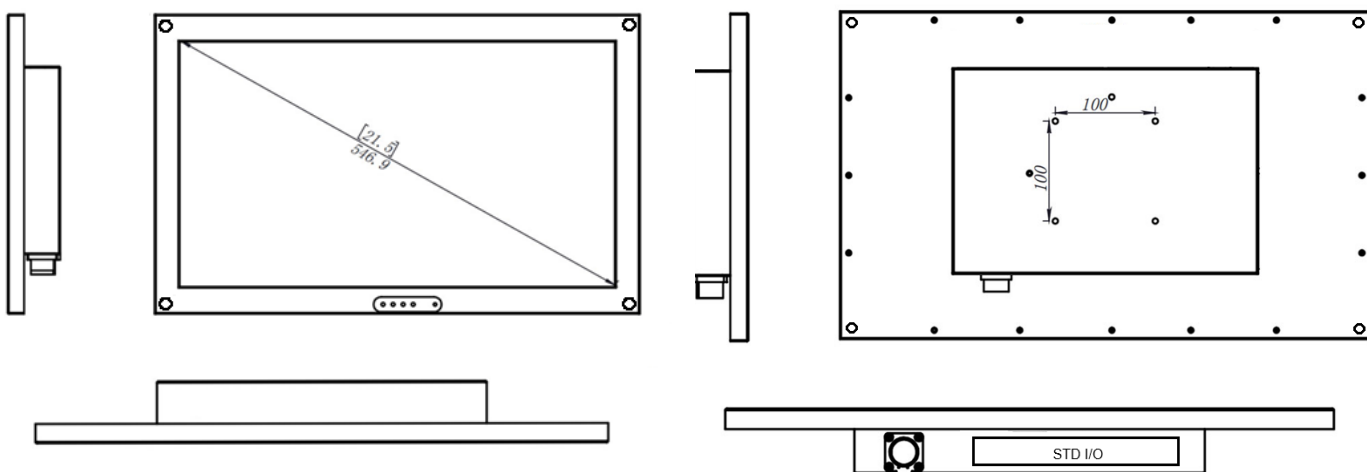
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Deliverables

1	21.5" Capacitive Touch Military LCD Monitor Open Frame
2	External Cables (Optional – To Be Customized)

Reference Drawings



Ordering Information

Model Name	Description	Unit
MIC-D2106-OF2	21.5" Military LCD Monitor Open Frame	1

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