

# ITM-TMNA0U-12AC-000C

**12.1", 800x600, IP65 NEMA Monitor with Projected Capacitive Touchscreen, VGA and DVI Ports**



## Features and Benefit

- All steel construction designed for harsh and industrial environments
- Robust design with aluminum NEMA 4/ IP65 front panel
- Meets NEMA4 and IP65 standards
- Accuracy in high-use applications
- Stable, drift-free operation
- Optional: Optical bonding, UV resistance and auto dimming
- Supports Panel, Wall, or VESA arm mounting

## Introduction

The AIS 12.1" IP65 NEMA 4 monitor is fully-integrated, off-the-shelf unit (COTS) that combines projected capacitive touch technology in an industrial-grade LCD panel, with a sleek and flat front surface industrial design; providing reliability, durability, and longer life. Impervious to environmental conditions i.e. liquid spills, splashes and wash-downs; these screens are the most contamination-resistant units in the market. These are designed for process control, food processing equipment, machine control, man-machine interface, automation, medical equipment, and in-vehicle applications.

## Specification

Display	
Display	12.1" diagonal, Active matrix TFT LCD
Aspect Ratio	4:3
Active/Area	(H) x (V) mm
Native (Optimal) Resolution	800 x 600
General Supported Resolution	800 x 600 (60/66/70/72/75 Hz)
Colors	262K / 16.2 M
Brightness (Typical)	LCD Panel: 330 nits Projected Capacitive Touch: 280 nits
Contrast Ratio	300:1
Viewing Angle (U/D/R/L)	60 / 80 / 80 / 80
On-Screen Display (OSD)	Controls (back): menu, up, down, select, power Settings: contrast, brightness, H/V position, RGB (color temp), clock, phase, recall
Input Video Signal Connector	1 x VGA, 1 x DVI

Touch Technology	Projected Capacitive (USB / RS-232 Touch Interface)
Auto Dimming	Optional
UV Resistance	Optional
Optical Bonding	Optional
General	
Power Input	24V DC
Power Consumption (Max)	7W at 12V
MTBF	50,000 Hours Demonstrated
Mounting Options	Panel Mount / VESA Mount 100 x 100
Dimensions (W x H x D)	317 x 243 x 53 mm
Environmental Conditions	
Temperature	Operating: 0°C to 50°C (-4°F to 140°F) Storage: -20°C to 60°C (-22°F to 158°F)
Humidity (Non-condensing)	Operating: 10 to 90% @40°C Non-condensing, without touch screen
Approvals	
Approvals	CE, FCC (DOC)

Unit: mm

