

## Specification Sheet for

sunlight readable 7" car monitor

**3070P4A07N031M**

**and**

**3070P4A07N031M-1**

### IMPORTANT

This document contains important information and therefore should not be disclosed to third parties without prior written consent of RayShine Photonics Corp.

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## Features

- > For In-Car Computing, PC, Server, GPS, and various VGA Use
- > High Brightness, High Contrast LCD Panel
- > 4-wire resistive Touch Screen (USB)
- > VGA Input (15 pin D-SUB) x 1 & Video Input x 2
- > Audio Input / Built-in Speaker
- > NTSC / PAL Multi-System
- > Auto detects 800x480 resolution
- > Upgraded High-Brightness LED or CCFL Backlight
- > Adjustable backlight level for night-time use
- > Last Input memory
- > Last Power setting memory
- > IR Remote Control
- > Auto power-on upon signal detection
- > Automatic display adjustment
- > On Screen Display Control
- > Mirror Image Flip (VGA and Video Modes)
- > Vertical Image Flip (VGA and Video Modes)
- > 20-Pin heavy-duty connector
- > TR for sun light readable
- > "E" Mark Certified for Automotive use
- > Anti Vibration
- > Support Max.36V Spike protection
- > Composite one can be set to video signal input or power on/off control signal input by DIP switch

**Display Specification for model with LED backlight (307P4A07N031M-1)**

Screen Size	7" (16:9) <b>LED</b>
Active Display Area (mm)	152.4 (H) x 91.44 (V)
Pixel Pitch (mm)	0.1905 (H) x 0.1905 (V)
Display Resolution (pixel)	800x480
Brightness (CD/m <sup>2</sup> )	500
Contrast Ratio	300:1
Viewing Angles (CR >=10)	60,60(H); 60,40(V)
Supported Resolution	640*480@60Hz & 800*600@60Hz
Recommended Resolution	800x480@60Hz

**Display Specification for model with CCFL backlight (307P4A07N031M)**

Screen Size	7" (16:9) <b>CCFL</b>
Active Display Area (mm)	152.4 (H) x 91.44 (V)
Pixel Pitch (mm)	0.1905 (H) x 0.1905 (V)
Display Resolution (pixel)	800x480
Brightness (CD/m <sup>2</sup> )	350
Contrast Ratio	300:1
Viewing Angles (CR >=10)	60,60(H); 60,40(V)
Supported Resolution	640*480@60Hz & 800*600@60Hz
Recommended Resolution	800x480@60Hz

**Touch screen**

Touch	4W Resistive
Touch screen interface	USB

**I/O Connector**

20-Pin heavy-duty connector	Complex lockable connector
VGA Input	15 pin D-Sub x 1
Video Input	Composite RCA x 2
Audio Input / Built-in Speaker	Audio in via RCA/ Internal Speaker
Touch screen interface	USB

**Power Management**

Operating Voltage	DC 12V
Power Consumption	8 W typical, normal operation

**Mechanical and Environment**

Dimension	TBD
Weight	TBD
Operating Temperature	-20~70 Celsius
Storage Temperature	-30~85 Celsius
Certification	FCC, CE, E13 Certification
ROHS Compliant	YES

Mechanical Appearance Draft:

