

# Omni Vision Inc

504 Congress Circle N  
Unit B  
Roselle, IL 60172

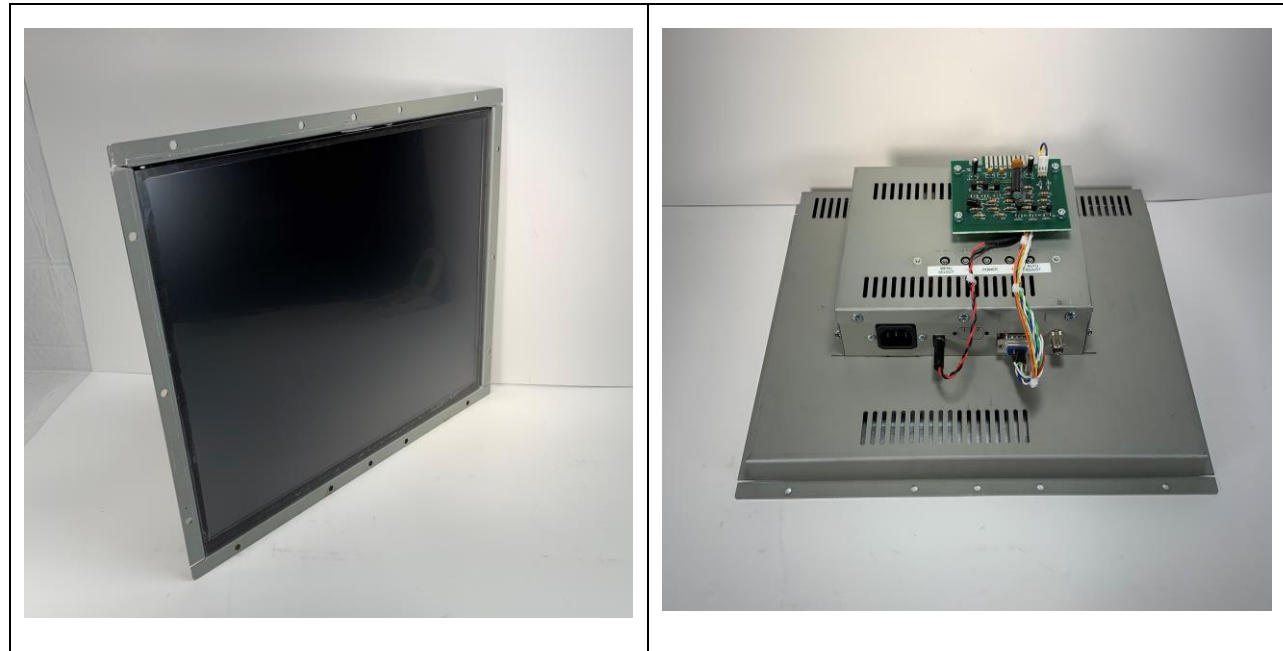
## Display Monitor Specialist

Tel: 630-893-1720  
FAX: 630-893-9991  
Web: [www.omnivisionusa.com](http://www.omnivisionusa.com)  
Email: [info@omnivisionusa.com](mailto:info@omnivisionusa.com)

### Industrial TFT Color LCD Display Monitors 15" kit version

**Made in the USA**

| VGA & NTSC (dual mode) | Model #              |                            |
|------------------------|----------------------|----------------------------|
| DC Version- open frame | DM15B1G1-XX---Series | <u>input</u> : + 12 vdc    |
| AC Version- open frame | DM15B4G1-XX---Series | <u>input</u> : 110/220 VAC |
| DC Version- with bezel | DM15B1G1-B1---Series | <u>input</u> : +12 vdc     |
| AC Version- with bezel | DM15B4G1-B1---Series | <u>input</u> : 110/220 VAC |



## FEATURES

- Easy to mount open frame, metal chassis (top & bottom flanges or side flanges )
- Optional-front mount bezel (panel mount ready) with option for [NEMA rated applications](#)
- User service controls of brightness, contrast, auto set up, etc
- User service controls accessed in rear standard
- Different models for different input signals-VGA/SVGA /XGA and NTSC or PAL
- Input power flexibility-standard +12 vdc at 2.0 Amps, other DC voltages or auto ranging AC power input from 100-240 VAC at 47-63 Hz.
- [RoHS compliant](#)
- Safety agency compliance - UL, cUL, and others
- Standard model has anti-reflective polycarbonate protective panel that prevents damage to LCD face

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### ELECTRICAL & DISPLAY SPECIFICATIONS

|                                   |   |
|-----------------------------------|---|
| <b>Active Matrix</b>              | 15" TFT color LCD (381 mm diagonal)   |
| <b>Usable Viewing Area (Size)</b> | 11.97 x 8.98" (304.1 x 228.1 mm)  |
| <b>Viewing Angle</b>              | Horizontal – right & left 80 degrees<br>Vertical – upper 60 & lower 80 degrees                                    |
| <b>Dot Pitch</b>                  | 0.297 x 0.297mm   |
| <b>Max Resolution</b>             | 1024 x 768  |
| <b>Max Colors</b>                 | 16.2 M / 262K colors  |
| <b>Response Time</b>              | Rise time – 5.7 millisecc (typical)<br>Fall time – 2.3 millisecc (typical)  |
| <b>Horizontal Frequency</b>       | VGA mode 31.5 to 54 kHz / NTSC mode 15.6 kHz  |
| <b>Vertical Frequency</b>         | 56 to 85 Hz   |
| <b>Brightness (full white)</b>    | 400 nits  |
| <b>Contrast Ratio</b>             | 700:1   |
| <b>Input Signal</b>               |   |
| VGA / SVGA models                 | 31.5 kHz to 56 kHz @ 60 Hz<br>Thru standard analog 15 -pin HD mini "D" sub connector                              |
| NTSC / PAL models                 | Standard BNC adapter  |
| <b>Power input</b>                |   |
| DC voltage input                  | Standard +12vdc @ 2 Amps with option to request models with<br>Other DC voltages ranging from 9 volts to 48 volts |
| AC voltage input                  | Standard 100-240 VAC auto ranging @ 47 to 63 Hz thru<br>Standard IEC-320 connector or 3-wire AC power cord        |
| <b>Temperature</b>                |   |
| Operating                         | -30 to +80 degrees C  |
| Storage                           | -30 to +80 degrees C  |

### Mechanical Details

| <b>VGA/SVGA &amp; NTSC/PAL models</b>   | <b>Model #</b>     | <b>Drawing #</b>      |
|---|--------------------|-----------------------|
| <b>Open frame – Flanges: All Sides</b>  |                    |                       |
| DC Version                              | <b>DM15B1G1-01</b> | <b>Drawing 94-414</b> |
| AC Version                              | <b>DM15B4G1-01</b> | <b>Drawing 94-414</b> |
| <b>Open frame – Flanges: Top/Bottom</b> |                    |                       |
| DC Version                              | <b>DM15B1G1-02</b> | <b>Drawing 94-414</b> |
| AC Version                              | <b>DM15B4G1-02</b> | <b>Drawing 94-414</b> |
| <b>Open frame – Flanges: Sides</b>      |                    |                       |
| DC Version                              | <b>DM15B1G1-03</b> |                       |
| AC Version                              | <b>DM15B4G1-03</b> |                       |
| <b>Bezel models (Panel Mount Ready)</b> |                    |                       |
| DC Version                              | <b>DM15B1G1-B1</b> | <b>Drawing 94-415</b> |
| AC Version                              | <b>DM15B4G1-B1</b> | <b>Drawing 94-415</b> |