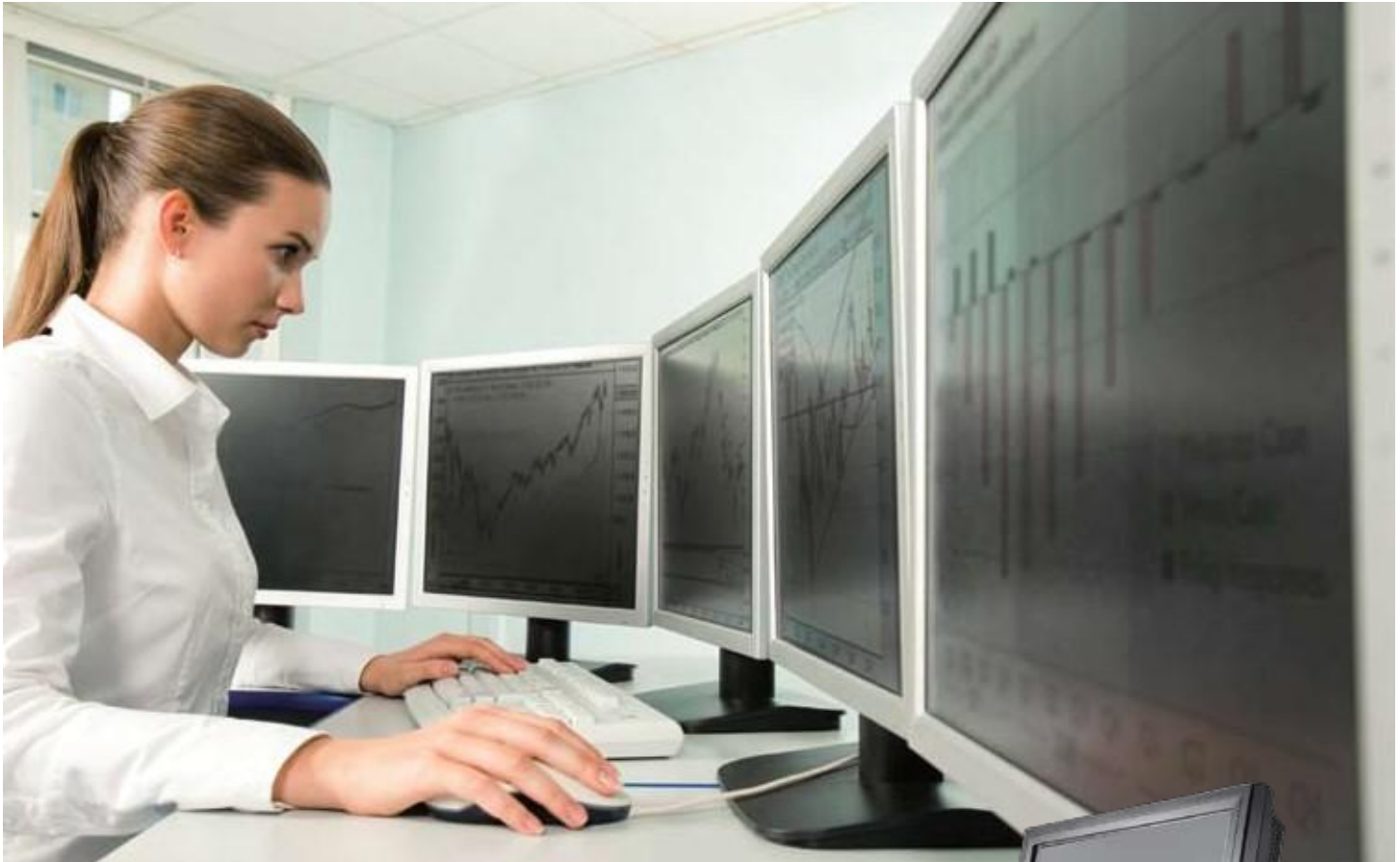




**GVISION POS Desktop Monitor**

# P12DS/EX

**12" POS Desktop Monitor  
with Optional Touchscreen**



GVISION's P12DS/EX is a 12" POS solution with a slim bezel design which maximizes screen space yet does not take up additional room. The P12DS/EX provides reliable and durable operation for retail POS and hospitality markets. The P12DS/EX can be easily integrated with a variety of POS or PC systems. It is ideal for demanding usage which requires a highly stable monitor and resilient touchscreen. Touch technology can be customized for your projects.



- Slim bezel
- Durable design
- Customizable touch technology

For more information please contact

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**Where Versatility Meets Flexibility**



| PARAMETER                        |             | SPECIFICATION                               |                     |
|----------------------------------|-------------|---------------------------------------------|---------------------|
| LCD Display                      |             | 12" TFT active matrix panel                 |                     |
| Pixel Pitch                      | P12DS       | 0.308 (H) x 0.308 (V) mm                    |                     |
|                                  | P12EX       | 0.240 (H) x 0.240 (V) mm                    |                     |
| Max. Resolution                  | P12DS       | SVGA 800 x 600                              |                     |
|                                  | P12EX       | XGA 1024 x 768                              |                     |
| Contrast Ratio                   |             | 700:1 (Typ.)                                | w/o sensor or glass |
| Brightness                       | P12DS       | 450 cd/m <sup>2</sup> (Typ.)                | w/o sensor or glass |
|                                  | P12EX       | 500 cd/m <sup>2</sup> (Typ.)                | w/o sensor or glass |
| Response Time (Tr+Tf)            |             | 35 ms (Typ.)                                |                     |
| Display Color                    |             | 16.2M                                       |                     |
| Effective Display Area           |             | 246 (H) x 184.5 (V) mm                      |                     |
| Viewing Angle (CR≥10)            | P12DS       | 160°(H) x 140°(V) (Typ.)                    | w/o sensor or glass |
|                                  | P12EX       | 160°(H) x 160°(V) (Typ.)                    |                     |
| Lamp Life (hr) / Backlight       |             | 50,000 (Min.) / LED                         |                     |
| Stand Base                       | L type      | Tilt down : -5°, Tilt up : +60°             |                     |
|                                  | J type      | Tilt down : 0°, Tilt up : +55°              |                     |
| Input Signals                    |             | Analog                                      |                     |
| Signal Connector                 |             | Analog                                      |                     |
| Scan Frequency                   |             | D-Sub15 pin (VGA)                           |                     |
| Audio System                     |             | 60 ~ 75 Hz                                  |                     |
| Touch Panel                      |             | 1W per channel                              |                     |
| Touch Interface                  |             | 5-wire Resistive                            |                     |
| Touch Interface                  |             | RS-232 or USB A type                        |                     |
| Power                            |             | Universal Power Adapter                     |                     |
|                                  |             | Input AC 100 ~ 240V, 50 ~ 60 Hz             |                     |
|                                  |             | Output DC 12V / 3A, 36W                     |                     |
| Operating                        | Temperature | 0°C ~ 40°C ( 32°F ~ 104°F )                 |                     |
|                                  | Humidity    | 10% ~ 90% ( no condensation )               |                     |
|                                  | Altitude    | To 10,000 feet                              |                     |
| Storage                          | Temperature | -20°C ~ 60°C ( -4°F ~ 140°F )               |                     |
|                                  | Humidity    | 10% ~ 90% ( no condensation )               |                     |
| Dimensions (WxHxD)               |             | 312.0 x 310.4 x 146.0 mm                    |                     |
| Carton Dimensions (WxHxD)        |             | 438.0 x 460.0 x 214.0 mm                    |                     |
| Weight (Net)                     |             | 4 kg                                        |                     |
| Certification                    | EMC         | CE/FCC                                      |                     |
|                                  | Safety      | UL/c-UL                                     |                     |
|                                  | Other       | RoHS / WEEE                                 |                     |
| Standard Pallet Loading (by sea) |             | 40 units (1070 [L] x 880 [W] x 1960 [H] mm) |                     |
| Standard Pallet Loading (by air) |             | 30 units (1070 [L] x 880 [W] x 1500 [H] mm) |                     |

### FEATURES

- High contrast color TFT LCD display supports resolution up to 800 x 600 (P12DS) or 1024 x 768 (P12EX).
- Compatible with VGA, IBM and VESA signal standards (resolution/timing auto-detected)
- Supports DDC 1/2B for Plug & Play compatibility
- Advanced OSD control for picture quality adjustment
- Rugged all-metal fully enclosed chassis
- VESA standard mounting
- RoHS Compliance

### OPTIONS

- Anti-Glare / Anti-Reflective tempered glass
- Sunlight Readable
- IP54 / IP65 waterproof & dustproof sealed front bezel
- Touch sensor technologies: resistive, surface capacitive projective capacitive, SAW, IR
- Video Signal input
  - Signal Connector: RCA / S-Video
  - NTSC / PAL / SECAM video

### TOUCH SENSOR SPECIFICATION

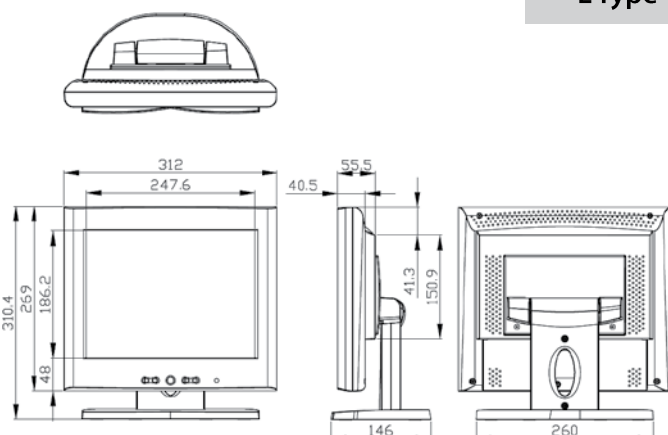
| Type         | 5W Resistive                                | Capacitive    |
|--------------|---------------------------------------------|---------------|
| Transmission | 80% ± 2%                                    | 91.5% ± 1.5%  |
| Interface    | USB or RS-232                               | USB or RS-232 |
| Durability   | 30 million times                            | 3-years       |
| OS Support   | DOS ; Windows<br>Linux<br>Mac OS X / OS 9.x |               |

\* Specifications are subject to change without notice.

### MECHANICAL DRAWING

Unit : mm

#### L Type



#### J Type

