



Industrial Multi-Media LCD Monitor - Close Frame

MD-SX419300 Series



Features:

- 19.0" TFT LCD supports 1280 x 1024 resolutions
- Viewing angle: 75/70 (H & V)
- High contrast ratio (700 : 1)
- High performance Genesis LCD controller
- Luminance 300 nits
- Standard RGB signal input interface
- Optional support for two audio speakers
- Optional support for DVI & Video interface
- Optional support for touch screen

Specifications:

Signal Input Interface

RGB
 Audio (Optional)
 DVI (Optional)
 RCA_Jack, S_Video (Optional)
 YCbCr (Optional)

OSD Control

Auto-detection & Auto-adjustment
 Horizontal & Vertical position adjustment
 Brightness / Contrast / Hue / Saturation adjustment
 Auto color setup and adjustment

Resolution & Display Color

Display Color: 16.2M colors
 SXGA 1280 x 1024 @ 60HZ, 70HZ, 75HZ
 XGA 1024 x 768 @ 60HZ, 70HZ, 75HZ
 SVGA 800 x 600 @ 60HZ, 70HZ, 75HZ
 VGA 640 x 480 @ 60HZ, 70HZ, 75HZ

Audio Output Characteristic (Optional)

Impedance: 8 ohm \pm 15% at 1.5KHZ
 Max. Input Power: 3.0 W
 Frequency Range: Fo – 9KHZ
 Sensitivity (S.P.L.): 77dB (W/m) \pm 3 dB at AVE 1.0KHZ, 1.2KHZ, 1.6KHZ, 2.0KHZ

Touch Screen Characteristic (Optional)

Five Wire Analog Resistive Touch Screen
 Five Wire Analog Capacitive Touch Screen
 SAW Touch Screen

Mechanical Characteristic

Dimension (L x W x H): TBD
 Weight: TBD
 Color: Black

Power

Power Adapter: 60W
 AC Input Voltage: 90VAC to 264VAC
 AC Input Frequency: 50/60 HZ
 Max. Load Current: 5A

Architecture

SECC steel
 Standard VESA mounting holes (75/100 mm)

Panel Specification

| Item | Specification | Unit | |
|------|---------------------------|------------------------|--------|
| 1 | Diagonal Size | 19.0 | inch |
| 2 | Active Area | 376.32(H) x 301.056(V) | mm |
| 3 | Bezel Opening Area | 380.2(H) x 305(V) | mm |
| 4 | Driver Element | a-si TFT active matrix | - |
| 5 | Pixel Number | 1280 x R.G.B. x 1024 | pixel |
| 6 | Pixel Pitch | 0.294(H) x 0.294(V) | mm |
| 7 | Display Color | 16.2M | color |
| 8 | Center Luminance of White | 300 | nit |
| 9 | Contrast Ratio | 700 | - |
| 10 | Response Time | TR=2, TF=6 | ms |
| 11 | View Angle | 75/70 (H & V) | degree |
| 12 | Backlight MTBF | 40,000 | hour |
| 13 | Panel Type | TFT Active | - |
| 14 | Storage Temperature | -20 ~ 60 | °C |
| 15 | Operation Temperature | 0 ~ 50 | °C |

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Ordering Information:

| Model Number | Type | Brightness (nit) | Interface | Touch Screen | Touch Interface |
|----------------|-------------|------------------|-------------------------------------|----------------|-----------------|
| MD-SX419300 | Close frame | 300 | RGB | N/A | N/A |
| MD-SX419320 | Close frame | 300 | RGB, DVI | N/A | N/A |
| MD-SX419350 | Close frame | 300 | RGB, DVI, Composite, S_Video | N/A | N/A |
| MDS-SX493401 | Close frame | 300 | RGB | 5-Wire R_Touch | USB |
| MDS-SX493421 | Close frame | 300 | RGB, DVI | 5-Wire R_Touch | USB |
| MDS-SX493451 | Close frame | 300 | RGB, DVI, Composite, S_Video | 5-Wire R_Touch | USB |
| MDA-SX493406 | Close frame | 300 | RGB, Audio | N/A | N/A |
| MDA-SX419326 | Close frame | 300 | RGB, DVI, Audio | N/A | N/A |
| MDA-SX419356 | Close frame | 300 | RGB, DVI, Composite, S_Video, Audio | N/A | N/A |
| MDAS-SX4193016 | Close frame | 300 | RGB, Audio | 5-Wire R_Touch | USB |
| MDAS-SX4193216 | Close frame | 300 | RGB, DVI, Audio | 5-Wire R_Touch | USB |
| MDAS-SX4193516 | Close frame | 300 | RGB, DVI, Composite, S_Video, Audio | 5-Wire R_Touch | USB |

Optional Touch Screen

| Model Type | Size | Input Mode | Transparency | Durability |
|--|--------------|------------------|--------------|------------------------------------|
| Resistive 5-Wire Touch Screen - TR5 Series | 5.7" ~ 19" | Stylus or Finger | ≥ 80% | Panel knock test: 35,000,000 times |
| Capacitive 5-Wire Touch Screen- TC5 Series | 7.1" ~ 20.1" | Finger | > 90% | Panel knock test: 20,000,000 times |

Optional Accessories

- AR-WM110151 - Wall mount bracket
- AR-WM450121 - Single monitor arm
- AR-DC484121 - LCD desk arm
- AR-DC715102 - LCD dual multiple monitor arm
- AR-PM507101 - Gas type LCD monitor arm
- AR-PC400101C - Clamp gas type arm