

# PAX-324

## 24" FHD Surgical Monitor



### Features

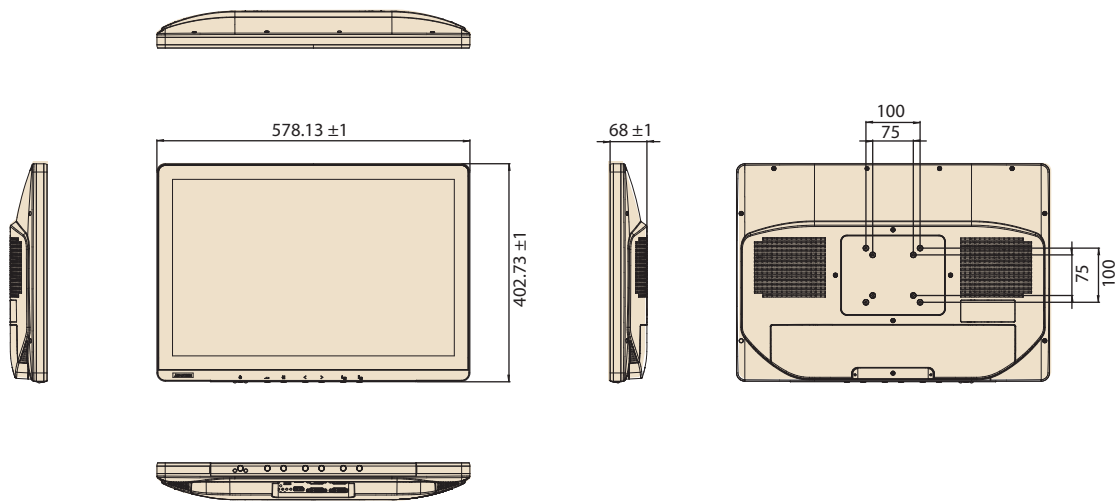
- True Flat Design with AR Filter
- High Brightness and High Contrast Ratio
- FHD Resolution (1920 x 1200)
- HDMI 2.0, DP 1.2, DVI, RGB Support Up to 1920 x 1200 @ 60 Hz
- SDI Support Up to 1920 x 1080 @ 60Hz
- Multi-Standard Video System Supported: NTSC, PAL, SECAM
- Video Enhancement features including:
  - 14-bit LUT processing
  - DICOM Part 14 GSDF Compliant
  - DICOM, Clear, Blue modes support
- Optional upgrade to IP-based monitor with AVAS

### Specifications

|                          |                                                    |                                       |                                                                                                       |
|--------------------------|----------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------|
| LCD                      | Screen Size                                        |                                       | 24.1" (518.4 x 324.0 mm)                                                                              |
|                          | Resolution                                         |                                       | 1920 x 1200                                                                                           |
|                          | Aspect Ratio                                       |                                       | 16:10                                                                                                 |
|                          | Pixel Pitch                                        |                                       | 0.270 x 0.270 mm                                                                                      |
|                          | Viewing Angle                                      |                                       | 178°/ 178°                                                                                            |
|                          | Contrast Ratio (Typ.)                              |                                       | 1000 : 1                                                                                              |
|                          | Native Luminance (Typ.)                            |                                       | 350 cd/m <sup>2</sup> 900 cd/m <sup>2</sup>                                                           |
|                          | Color Depth                                        |                                       | 8-bit 16.7M Colors 10-bit 1.07B Colors                                                                |
|                          | Display Mode                                       |                                       | AH-IPS AHVA                                                                                           |
|                          | Response Time                                      |                                       | 14ms (G to G) 14ms (Tr + Tf)                                                                          |
| Touchscreen              |                                                    | Optional 10-point PCAP                |                                                                                                       |
| Input                    | DP 1.2 Input                                       | DP Jack x 1                           | DisplayPort 1.2, 1920 x 1200 @ 60 Hz max.                                                             |
|                          | HDMI 2.0 Input                                     | HDMI Jack x 1 (Type A)                | Digital RGB: TMDS, 1920 x 1200 @ 60 Hz max.                                                           |
|                          | DVI Input                                          | DVI Jack x 2 (Type D)                 | Digital RGB: TMDS, 1920 x 1200 @ 60 Hz max.                                                           |
|                          | SDI1 Input                                         | BNC Jack x 1                          | Serial Input Common Mode: 2.2 Vp-p (75 Ω); 1920 x 1080 @ 60 Hz max.                                   |
|                          | S-Video Input                                      | Mini DIN Jack x 1 (4-pin)             | Y: 1 Vp-p (75 Ω), C: 0.286 Vp-p (75 Ω) [NTSC]<br>Y: 1 Vp-p (75 Ω), C: 0.300 Vp-p (75 Ω) [PAL / SECAM] |
|                          | Video Input                                        | BNC Jack x 1                          | 1 Vp-p (75 Ω) [NTSC / PAL / SECAM]                                                                    |
|                          | USB Up                                             | USB-B Jack x 1                        | For Optional Touchscreen                                                                              |
|                          | RS-232C                                            | D-Sub Jack x 1                        | Service Port                                                                                          |
| DC Power Input           | DC Jack x 1                                        | DC 24 V, 4.16 A                       |                                                                                                       |
|                          |                                                    |                                       |                                                                                                       |
| Optional Input           | RGB Input                                          | D-sub x 1                             | PAX-324-C2B-NAS, PAX-324-C2B-HAS, and PAX-324-C2B-HAR                                                 |
|                          | Audio Input                                        | Audio Jack x 1                        |                                                                                                       |
|                          | AVAS NDcoder                                       | SPF+ Module x 1<br>LAN RJ-45 Jack x 1 | PAX-324-C2F-NAS and PAX-324-C2F-HAS                                                                   |
|                          | SDI2 Input                                         | BNC Jack x 1                          | By Request Only                                                                                       |
| Output                   | DVI Output                                         | DVI Jack x 2 (Type D)                 | Digital RGB: TMDS, 1920 x 1200 @ 60 Hz max.                                                           |
|                          | SDI1 Output                                        | BNC Jack x 1                          | Serial Input Common Mode: 2.2 Vp-p (75 Ω); 1920 x 1080 @ 60 Hz max.                                   |
|                          | S-Video Output                                     | Mini DIN Jack x 1 (4-pin)             | Y: 1 Vp-p (75 Ω), C: 0.286 Vp-p (75 Ω) [NTSC]<br>Y: 1 Vp-p (75 Ω), C: 0.300 Vp-p (75 Ω) [PAL / SECAM] |
|                          | Video Output                                       | BNC Jack x 1                          | 1 Vp-p (75 Ω) [NTSC / PAL / SECAM]                                                                    |
|                          | DC Power Output                                    | DC Jack x 1                           | DC 5 V or DC 12 V                                                                                     |
| Optional Output          | Audio Output                                       | Audio Jack x 1                        | PAX-324-C2B-NAS, PAX-324-C2B-HAS, and PAX-324-C2B-HAR                                                 |
|                          | SDI2 Output                                        | BNC Jack x 1                          | By Request Only                                                                                       |
| Environment              | Temperature                                        | Operational                           | 0 ~ 40 °C                                                                                             |
|                          |                                                    | Storage                               | -20 ~ 60 °C                                                                                           |
|                          | Humidity                                           | Operational                           | Ta = 40 °C, 90% RH non-condensed                                                                      |
|                          |                                                    | Storage                               | 5 ~ 90%                                                                                               |
|                          | Pressure                                           | Operational                           | 500 hPa to 1013 hPa                                                                                   |
|                          |                                                    | Storage                               | 500 hPa to 1013 hPa                                                                                   |
| Power                    | Rating                                             | DC 24 V, 4.16 A max.                  |                                                                                                       |
|                          | Consumption (Typ.)                                 | 65 W max.                             |                                                                                                       |
| Physical Characteristics | IP Ratings                                         | Front IP65 / Top IPX1                 |                                                                                                       |
|                          | VESA Mount                                         | 100 x 100; 75 x 75 mm                 |                                                                                                       |
|                          | Dimension (W x D x H)                              | 578.13 x 68 x 402.78 mm               |                                                                                                       |
|                          | Weight                                             | 7.20 ~ 7.85 kg                        |                                                                                                       |
| Certifications           | CE MDD 93/42/EEC (EN60601-1; EN60601-1-2), RoHS II |                                       |                                                                                                       |
| Warranty                 | 3 Years                                            |                                       |                                                                                                       |
| Accessories              | Power Adapter                                      |                                       |                                                                                                       |

Dimensions

Unit: mm



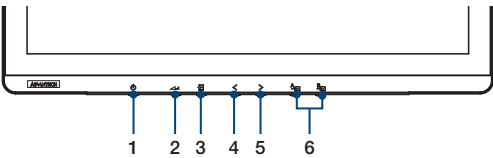
Ordering Information

| Part Number     | Brightness            | Optional  | Touchscreen | Weight  |
|-----------------|-----------------------|-----------|-------------|---------|
| PAX-324-C2B-NAS | 350 cd/m <sup>2</sup> | RGB/Audio | -           | 7.20 kg |
| PAX-324-C2B-HAS | 900 cd/m <sup>2</sup> | RGB/Audio | -           | 7.50 kg |
| PAX-324-C2B-HAR | 900 cd/m <sup>2</sup> | RGB/Audio | PCAP        | 7.60 kg |
| PAX-324-C2F-HAS | 900 cd/m <sup>2</sup> | AVAS      | -           | 7.85 kg |

Optional Items

| Part Number        | Description                                               |
|--------------------|-----------------------------------------------------------|
| 1702002605         | Power Cord (Europe) 1.8M                                  |
| 1702002600         | Power Cord (USA) 1.8M                                     |
| 1700018704         | Power Cord (UK) 1.8M                                      |
| XKT-HPU101-P09B139 | Power Adapter<br>AC/DC 100-240V 100W 24V DIN 4PIN MEDICAL |

Front Function Keys



- 1. POWER button/indicator
- 2. ENTER/MENU button
- 3. EXIT/INPUT button
- 4. LEFT button
- 5. RIGHT button
- 6. PiP INPUT select buttons
  - A. Main input
  - B. Sub input