

### *Unique to the Industry*

CrystalVue's™ ability to display both CCTV video and marketing information can reduce theft while informing viewers of the latest sale or featured item. Its sleek profile works in any setting and can be customized to complement your store's specific design. CrystalVue™ integrates an ultra bright flat panel monitor, now in 4 different sizes, with an exceptionally high quality CCTV camera. Multi-media presentations, fed through a composite video signal, are available instantly for public view.

### *Tailored to Fit*

With so many features to choose from Aigis has created a series of "Feature Sets" that combine our most popular CrystalVue™ options into easy to order groupings. All CrystalVue™ units come standard with a remote control, a light sensor, and looping capabilities.

### *Security (N)*

This basic feature set creates instant awareness by showing the viewer his or her own image on screen using the **Built in Camera**. The on screen video is looped back to a monitoring station or sent to a video recording device such as a DVR. CrystalVue™ is set up via the On Screen Display Menu using the **Remote Control**. Set the **Light Sensor** to switch over to power save mode upon a pre-set change in lighting conditions, extending screen life.

### *Security/Marketing (MP)*

This feature set includes the *Security (N)* features plus a **Motion Detector**, **Picture-in Picture** abilities and adds one additional **Composite Input** and an **additional Composite Output**. By adding these capabilities this loss prevention tool now doubles as a powerful marketing device. Use this version of CrystalVue™ to show video messages and company logos, run advertisements, and get your message out. By using the Motion Detector feature CrystalVue™ will switch to the surveillance image upon motion for a set dwell rate. Adding the additional composite input now allows the Light Sensor to switch to either power save or another form of video upon a preset change in ambient light. The picture-in-picture settings further enhance these features by allowing both video images to be viewed on screen simultaneously.

# CRYSTALVUE™ ORDERING GUIDE

## PVD 20-inch

|                        | Description                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PVD20A-NN-B</b>     | 20.1-inch LCD, no camera, 1 BNC input, 1 BNC output, looping capability, black, 24VAC/60Hz                                                                        |
| <b>PVD20A-CH36N-B</b>  | 20.1-inch LCD, color hi-res camera, 2.8-11 mm lens, 1 BNC output, black, 24VAC/60Hz                                                                               |
| <b>PVD20A-WD39N-B</b>  | 20.1-inch LCD, Pixim™ wide dynamic camera, 2.8-11 mm lens, 1 BNC output, black, 24VAC/60Hz                                                                        |
| <b>PVD20A-CH36MP-B</b> | 20.1-inch LCD, color hi-res camera, 2.8-11 mm lens, motion detector, Picture-In-Picture, 1 BNC input, 2 BNC outputs, looping capability, black, 24VAC/60Hz        |
| <b>PVD20A-WD39MP-B</b> | 20.1-inch LCD, Pixim™ wide dynamic camera, 2.8-11 mm lens, motion detector, Picture-In-Picture, 1 BNC input, 2 BNC outputs, looping capability, black, 24VAC/60Hz |

## PVD 26-inch

|                           | Description                                                                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PVD26A-6N-BST</b>      | 26-inch LCD, no camera, 2 external camera mounts integrated into frame, 1 BNC input, 1 BNC output, looping capability, black, 120VAC/60Hz                                            |
| <b>PVD26A-6NN-B</b>       | 26-inch LCD, no camera, 1 BNC input, 1 BNC output, looping capability, black, 120VAC/60Hz                                                                                            |
| <b>PVD26A-6CH36N-B</b>    | 26-inch LCD, color hi-res camera, 2.8-11 mm lens, 1 BNC output, black, 120VAC/60Hz                                                                                                   |
| <b>PVD26A-6WD39N-B</b>    | 26-inch LCD, Pixim™ wide dynamic camera, 2.8-11 mm lens, 1 BNC output, black, 120VAC/60Hz                                                                                            |
| <b>PVD26A-6CH36MP-B</b>   | 26-inch LCD, color high res camera, 2.8-11 mm lens, motion detector, Picture-In-Picture, 1 BNC input, 2 BNC outputs, looping capability, black, 120VAC/60Hz                          |
| <b>PVD26A-6WD39MP-B</b>   | 26-inch LCD, Pixim™ wide dynamic camera, 2.8-11 mm lens, motion detector, Picture-In-Picture, 1 BNC input, 2 BNC outputs, looping capability, black, 120VAC/60Hz                     |
| <b>PVD26A-6WD39MP-B-V</b> | 26-inch LCD, Pixim™ wide dynamic camera, 2.8-11 mm lens, motion detector, Picture-In-Picture, 1 BNC input, 1 VGA video output, 2 BNC outputs, looping capability, black, 120VAC/60Hz |

Note: 1.) 2-camera versions available, contact Aigis for information and pricing.  
2.) 26-inch versions are also available as low voltage models that require a power supply with part number PS-24VA6A-PB.

## PVD 32-inch

|                     | Description                                                                               |
|---------------------|-------------------------------------------------------------------------------------------|
| <b>PVD32A-6NN-B</b> | 32-inch LCD, no camera, 1 BNC input, 1 BNC output, looping capability, black, 120VAC/60Hz |

Call Aigis for lead times and additional specifications on these options.

- Options 1.) 32" models available with camera(s).  
2.) All PVD models are available in White.  
3.) 37" PVD models are available.

## Camera Specifications

|                          | Color                                     | Wide Dynamic Range        |
|--------------------------|-------------------------------------------|---------------------------|
| <b>Image Sensor</b>      | 1/3" Sony SUPER HAD CCD                   | 1/3" Pixim™ DPS Sensor    |
| <b>Eff. Pixel</b>        | 768(H) x 494(V)                           | 720(H) x 480(V)           |
| <b>Signal System</b>     | NTSC                                      |                           |
| <b>H. Resolution</b>     | 540TVL                                    |                           |
| <b>S/N Ratio</b>         | 48dB                                      | >50dB                     |
| <b>Min. illumination</b> | 0.3Lux/F1.2                               | 0.5Lux/F1.2, 0.08         |
| <b>White Balance</b>     | Auto                                      | ATW/AWB/Manual/ATW Extend |
| <b>AGC</b>               | Auto                                      |                           |
| <b>BLC</b>               | Auto                                      |                           |
| <b>ES</b>                | 1/60-1/100,000S(NTSC)                     | Auto                      |
| <b>Lens</b>              | Auto-Iris Lens, f+2.8-11mm                | 2.8-11mm Auto-Iris        |
| <b>Gamma Correction</b>  | 0.45                                      |                           |
| <b>Power Supply</b>      | 12VDC                                     | 12VDC / 24VAC             |
| <b>Operating Temp.</b>   | -10°C ~ +50°C (+14°F ~ +122°F), RH90% MAX |                           |
| <b>Control Method</b>    | N/A                                       | OSD                       |
| <b>Dynamic Range</b>     | N/A                                       | 101dB Typ., 120dB Max     |

# SPECIFICATIONS

## CrystalVue™ PVD

|                                                                                                           | CrystalVue™ Size 20.1"                                                                                                                                                                                                                                                                                                                                                              | CrystalVue™ Size 26"                         | CrystalVue™ Size 32"                         | CrystalVue™ Size 37"                         |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| <b>Resolution</b>                                                                                         | 640H x 480V Pixels RGB WXGA                                                                                                                                                                                                                                                                                                                                                         |                                              | 1366H x 768V Pixels RGB WXGA                 |                                              |
| <b>Pixel Pitch</b>                                                                                        | 0.637mm x 0.637mm                                                                                                                                                                                                                                                                                                                                                                   | 0.1405mm x 0.4215                            | 0.170mm x 0.510mm                            | 0.200mm x 0.600MM                            |
| <b>Luminance White/Brightness</b>                                                                         | 550 cd/m <sup>2</sup> (Center 1 Points Typ.)                                                                                                                                                                                                                                                                                                                                        | 600 cd/m <sup>2</sup> (Center 1 Points Typ.) | 600 cd/m <sup>2</sup> (Center 1 Points Typ.) | 600 cd/m <sup>2</sup> (Center 1 Points Typ.) |
| <b>Contrast Ratio</b>                                                                                     | 800 : 1 Typ.                                                                                                                                                                                                                                                                                                                                                                        | 1400: 1 Typ.                                 | 1600 : 1 Typ.                                |                                              |
| <b>Aspect Ratio</b>                                                                                       | 4:3                                                                                                                                                                                                                                                                                                                                                                                 |                                              | 16:9                                         |                                              |
| <b>Viewing Angle</b>                                                                                      | 178/178° U/D/L/R                                                                                                                                                                                                                                                                                                                                                                    |                                              |                                              |                                              |
| <b>Number of Colors</b>                                                                                   | 16.7M(8bit)                                                                                                                                                                                                                                                                                                                                                                         |                                              |                                              |                                              |
| <b>Lamp Life</b>                                                                                          | Over 50,000 Hrs                                                                                                                                                                                                                                                                                                                                                                     |                                              |                                              |                                              |
| <b>Response Time</b>                                                                                      | 25ms                                                                                                                                                                                                                                                                                                                                                                                | 8ms (GTG)                                    |                                              |                                              |
| <b>Light Sensor</b>                                                                                       | Dwell, Sensitivity – Programmable action upon light reduction                                                                                                                                                                                                                                                                                                                       |                                              |                                              |                                              |
| <b>14 Button Remote Control</b>                                                                           | Access OSD On for Monitor Setup; Video Input Selection – feature set -up                                                                                                                                                                                                                                                                                                            |                                              |                                              |                                              |
| <b>On Screen Display (OSD)</b>                                                                            | Light Sensor, Motion, Audio, Video                                                                                                                                                                                                                                                                                                                                                  |                                              |                                              |                                              |
| <b>Power Requirement</b>                                                                                  | 24 VAC +/- 10% 80W                                                                                                                                                                                                                                                                                                                                                                  | 120 VAC (Optional 24VAC) +/- 10% 125W        | 120 VAC (Optional 24VAC) +/- 10% 150W        | 120 VAC (Optional 24VAC) +/- 10% 175W        |
| <b>Color</b>                                                                                              | Standard Color - Black (B)                                                                                                                                                                                                                                                                                                                                                          |                                              |                                              |                                              |
| <b>Options</b>                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                                              |                                              |
| <b>Motion Detection</b>                                                                                   | Programmable Built-in PIR Motion detector, PIR Controls Video, 0-60 Sec Dwell                                                                                                                                                                                                                                                                                                       |                                              |                                              |                                              |
| <b>Flash Card Reader</b>                                                                                  | Content Format Support: MP3s, WMA, JPEG, MJPEG (.AVI, 320x240 Pixels, 15f/sec), MPEG-I (VCD, SVCD, .dat), MPEG (720x480 pixels), MPEG (.asf, simple profile), JPEG Slideshow with MP3 background music, DIVX 5<br>Compatible Flash Cards: SmartMedia™ card, Secure Digital™ card, CompactFlash™ type I/II, IBM Microdrive™, MiltiMedia™ card, Memory Stick™, Memory Stick Pro™ card |                                              |                                              |                                              |
| <b>Picture-in-Picture Split Screen</b>                                                                    | Adjustable Picture Box Size and Location                                                                                                                                                                                                                                                                                                                                            |                                              |                                              |                                              |
| <b>VGA</b>                                                                                                | VGA Input                                                                                                                                                                                                                                                                                                                                                                           |                                              |                                              |                                              |
| PVDs come Standard in Power Coated Black (B). White and custom colors available call Aigis for lead time. |                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                                              |                                              |

## Environmental

### Rated for Indoor Use Only

|                    |                          |                                |
|--------------------|--------------------------|--------------------------------|
| <b>Temperature</b> | Operating                | 0°C to +50 °C (32°F to 122°F)  |
|                    | Storage                  | -20°C to +60°C (-4°F to 140°F) |
| <b>Humidity</b>    | 10-90 %RH Non-Condensing |                                |

## Mechanical Specifications

|                |                     |                                                           |            |           |            |
|----------------|---------------------|-----------------------------------------------------------|------------|-----------|------------|
| <b>Housing</b> | <b>Construction</b> | Aluminum with Acrylic front window                        |            |           |            |
|                | <b>Finish</b>       | Standard: Powder coated black. Custom finishes available. |            |           |            |
|                | <b>Weight</b>       | 20" 15 lbs.                                               | 26" 25lbs. | 32" 40lbs | 37" 45lbs. |

## Power Supplies

Use the corresponding part numbers to order the Power Supply for the appropriate size CrystalVue™

|                     |                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| <b>PS-24VA4A-PB</b> | <b>PVD20</b> - Power Supply that converts 120VAC to 24VAC, 4Amp output, includes 6 ft. Power Cord and Box |
|---------------------|-----------------------------------------------------------------------------------------------------------|

## Mounting Kits

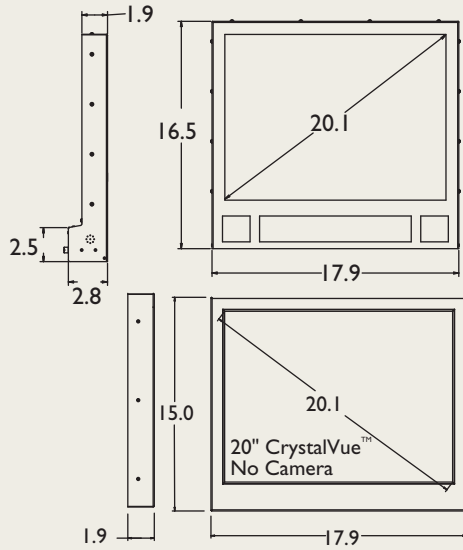
CrystalVue's™ mounting kits install with a unique feed-thru ball mount system that allows complete adjustability for optimal viewing and no visible wires. Choose from the Ceiling, Truss or Wall Kits made exclusively for the CrystalVue™. Kits are available in Black or White finish with custom colors available upon request.

|                       |                                                                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PVD-MK-CEILING</b> | <b>Ceiling Kit</b> - Includes one metal ceiling tile for a standard 2' x 2' drop ceiling grid, two 4' adjustable threaded poles with safety locking ring and coupler, four safety wires, and one feed-thru pole mount made from aluminum painted to match. |
| <b>PVD-MK-TRUSS</b>   | <b>Truss Mount Kit</b> - Includes a truss mount with center coupler and set screw, two 4' adjustable threaded poles with safety locking ring and coupler and one feed-thru pole mount made from aluminum painted to match.                                 |

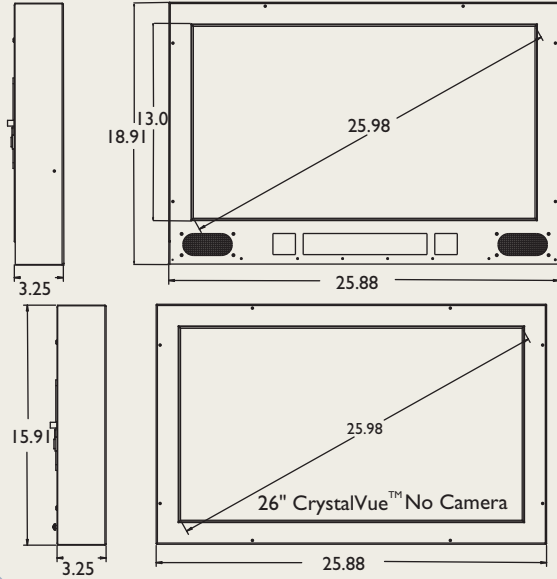
• Call the factory for additional Mount Options

**Dimensional Outlines**

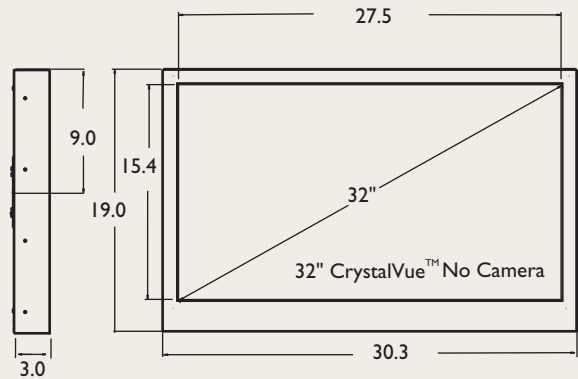
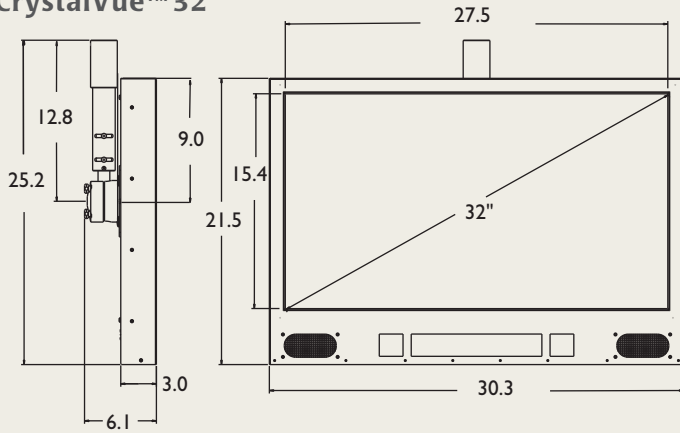
**CrystalVue™ 20"**



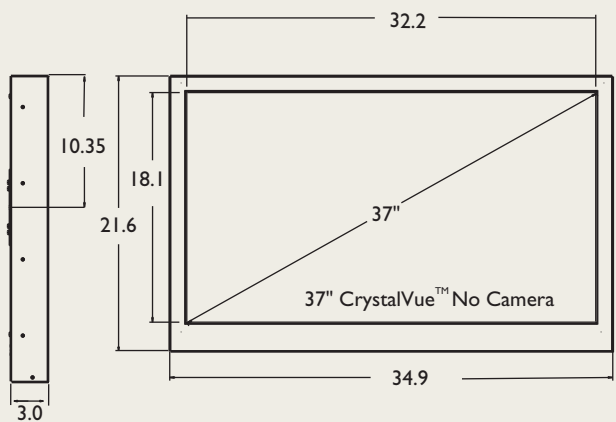
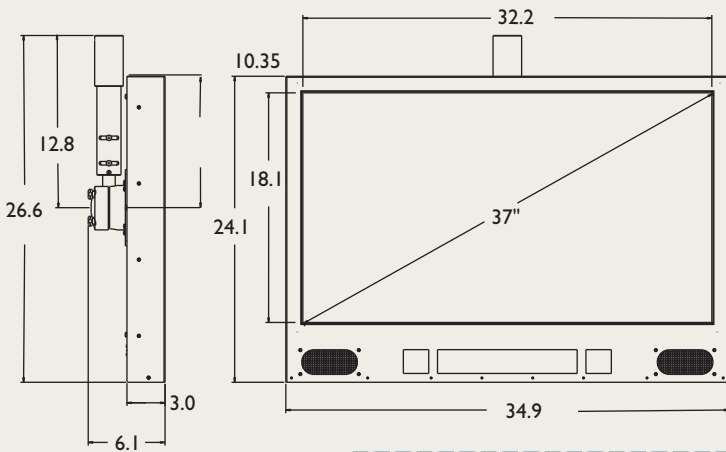
**CrystalVue™ 26"**



**CrystalVue™ 32"**



**CrystalVue™ 37"**



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**why limit your options?**

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