

Specifications for *AgileVIEW*[®] *SecureVIEW*[®] & *MediVIEW*[™] Modular Console Product Lines

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I. General

- 1) The modular console shall be **ImageVision, Inc.** of La Grange, TX consisting of individual modular units, and angled sections, each designed to be assembled into a complete console structure.
- 2) The console shall be fully modular in design & construction.
- 3) For easy of installation, the console system shall ship in individual fully assembled units to be leveled in position and bolted together at the end user's site.
- 4) The console shall be ergonomically designed for operator comfort and suitable for housing computers in pullout style CPU/Equipment Trays (90 lbs. Rated Load), 22" LCD screens, or Gas Plasma displays, 19 inch rack mount equipment, or equipment on shelves in cabinets below worksurfaces, video monitors, PLC's, Distributed Control Systems, and other items as required.
- 5) The console system shall have the ability to house panel mounted components such as panel meters, chart recorders, push buttons, pilot lights, and other components required by the system. Internal sub-panels shall be available as an option for panel mounted components.
- 6) The console system shall have accessory enclosures available to support devices mounted in enclosures provided in any one of the monitor positions. These enclosures shall be available in depths from 4 to 7 inches. Options for Either 19in EIA Rack Panel front panels or blank panels for field cutouts will be available.
- 7) Keyboard and "Accessory Garages" shall be available for locating devices in housings below the LCD screen on the 1st-tier of console units. These "Accessory Garages" shall be available with options such as GracePorts for connections to Ethernet, Devicenet, Modbus, Modbus Plus or other networks. They will also be available with circuit breaker protected outlets for powering temporary programming or accessory devices above the work surfaces.
- 8) The console system shall be provided with adjustable tilt & pivot monitor mounts with either VESA 75mm or 100mm mounting hole dimensions. Each mount will have tilt & pivot capability and maintain adequate friction in position to allow for touch screen LCD display operation.
- 9) Individual console units shall be available with, or without cabinets below worksurface. Table units (without cabinets) will have both integral & divided power & control horizontal wireways. The table units shall be easily field modified to allow the addition of up to three tiers of monitor supports as needed. Table units shall have privacy panels supplied to match the rear view of all standard console units.

II. Construction

- 1) **ImageVision, Inc.** console modules shall be assembled and fabricated from steel. Fabrication will be provided in a 21 CFR 820 Quality System facility compatible with ISO9001; or comparable quality systems in place.
- 2) The base frame is constructed out of multiform 16-gage steel. This base frame utilizes design techniques for construction which is suitable for electronic and process control cabinetry deployed worldwide.
- 3) Various options shall be provided to allow mounting & storing equipment, including ball bearing pullout style CPU or equipment trays, solid floor bottom panels with openings for conduit entries or cables; front, back or side mounted equipment sub-panels, movable equipment shelves, and 19in EIA rails (options for front, rear or both pairs of rails) for rack mounted equipment.
- 4) To assure alignment of the complete system, levelers are provided at each corner. The rigidity of the frame does not rely on contact with the floor for support. The worksurfaces of the console units are to be joined with three bolts assemblies to allow for proper alignment and to insure smooth seams between units.
- 5) Divided vertical & horizontal wireways are provided for integral cable management on each unit, and for separation of power and control wiring where desired.
- 6) All monitor power and video extension cables are to be provided on console units from 1 to 3 tiers in screen height.
- 7) Monitor tiers shall be constructed from 16-gauge steel with divided horizontal wireways. Monitor tier housings shall be modular and easily field expandable for upgrading at a later date. Both horizontal & vertical supports to have integral cable management wireways with easily removable covers to facilitate wire routing throughout the console lineup.
- 8) For optimum ergonomics, the front shall slope back at a 10-degree back angle on 1st tier and 10-degree forward angle on 2nd & 3rd-tiers. In addition, each monitor location will be provided with an adjustable tilt & pivot monitor Ergotron DS100 double-pivot mount.
- 9) All laminates in worksurfaces & side legs of units shall be bonded to metal utilizing 3M 300 LSE high-temperature adhesive film (maintains 90% bonds to 300F) to insure proper adhesion during shipment, storage or operation in elevated temperatures.
- 10) Console units will be available with pull-out style keyboard, keyboard & mouse, or pencil drawers under worksurfaces.
- 11) Consoles are to be supplied with integral File/Supply drawer options, or separate file drawer credenza's with matching laminate inlay tops.

III. Finish

- 1) All metal shall be thoroughly cleaned via a five-step wash process ending with an iron phosphate wash to eliminate "flash rusting" prior to the application of the powder coat paint.
- 2) All exterior surfaces (except cabinets below) shall be powder coat finished in an "Opaque Beige" Sherwin-Williams Powdura hybrid finish, then oven baked, for durability. Cabinets below work surfaces will be finished as above but in a "Gothic Black" color. The console manufacturer shall provide custom color options when desired by the end user.

IV. Assembly & Shipment

- 1) **Each unit in the console system shall be shipped fully assembled.** The individual units will be constructed such that they can be located within the console operations area, leveled, and bolted together for ease of installation.
- 2) The console system shall be shipped via ELECTRONICS/SPECIAL PRODUCTS delivery (Moving Van) to minimize the risk of damage during shipment.

V. Electrical

- 1) Each console section shall have a 6-outlet, surge protected power strips, with switch and 6 foot cords. 48 inch wide 3-Tier console units are to be provided with (2) power strips as described above.