# DIGI-P122 Technical Specifications

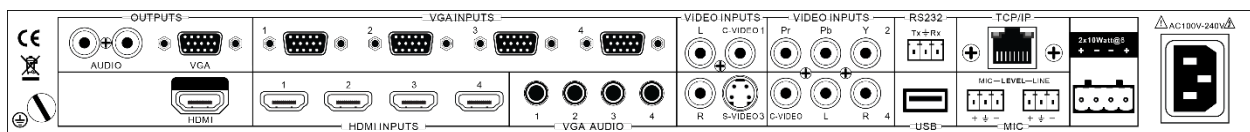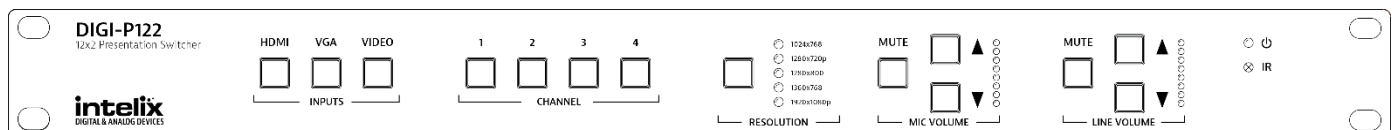**Twelve Input to Two Output Switcher/Scaler/Format Converter**

Rev. 140814

The Intelix DIGI-P122 allows the integration of multiple analog and digital devices into a high-definition environment.

The DIGI-P122 allows selection of twelve different sources, and will simultaneously scale the selected video to HDMI and VGA outputs. The unit features four HDCP compliant HDMI inputs, four VGA inputs, and four analog video inputs. There are five fixed output resolutions to pick from, and several aspect ratio modes, which will ensure your content is displayed properly.

The DIGI-P122 offers several unique audio options designed to simplify your installation. All audio inputs are embedded into the HDMI stream, so you can use your display speakers for audio. Additionally, line level and 8ohm speaker outputs can be used for reinforcement. A balanced input is provided (line or microphone level) which is mixed with the source audio to provide voice lift capabilities; while the volumes of the mic and source can be individually controlled.

The DIGI-P122 can be controlled in many different ways. The front panel offers source selection, output resolution, and volume/mute control, as well as an IR window for use with the included remote control. Third party control systems can utilize TCP/IP, RS232 rear panel, and front panel IR control. Additionally, a web GUI (Graphic User Interface) allows users to control the unit through a browser on their computer.

8001 Terrace Ave.
Suite 201
Middleton, WI 53562

Phone: 608-831-0880
Toll-Free: 866-462-8649
Fax: 608-831-1833

| Technical Specifications | |
|---|---|
| **Input Connections** | |
| HDMI Inputs | Four (4) HDMI type A Receptacle |
| VGA Inputs | Four (4) HD15-F, Four (4) 3.5mm TRS-F |
| Composite Video 1 | One (1) RCA-F (video), Two (2) RCA-F *(stereo audio shared with S-Video 3)* |
| YPbPr 2 (Component Video) | Three (3) RCA-F (video), Two (2) RCA-F *(stereo audio shared with Composite Video 4)* |
| S-Video 3 | One (1) 4PMD-F (video), Two (2) RCA-F *(stereo audio shared with Composite Video 1)* |
| Composite Video 4 | One (1) RCA-F (video), Two (2) RCA-F *(stereo audio shared with YPbPr 2)* |
| Microphone Input (Line Level) | One (1) 3-Pole/3.5mm Euroblock *(audio summed with Mic Level input)* |
| Microphone Input (Mic Level) | One (1) 3-Pole/3.5mm Euroblock Connector *(audio summed with Line Level input)* |
| Control (Front Panel) | Push Button, IR |
| Control (Rear Panel) | RS232 via 3-Pole/3.5mm Euroblock, TCP/IP via 8P8C |
| Power Input | One (1) IEC-C14 Power Inlet |
| Firmware Upgrade | USB Type A Female |
| **Output Connections** | |
| HDMI Output | One (1) HDMI type A Receptacle |
| VGA Output | One (1) HD15-F |
| Stereo Analog Audio | Two (2) RCA (stereo audio) |
| Speaker Output | One (1) 4-Pole/5.08mm Euroblock |
| **Video Performance** | |
| HDMI Input Bandwidth | 4.95Gbps (1.65Gbps per color) |
| HDMI Input Resolutions | 640x480: 60/72/75/85 Hz, 800x600: 56/60/72/75/85 Hz, 1024x768: 60/70/75/85 Hz, 1280x768: 60 Hz, 1280x1024: 60/75Hz, 1360x768: 60 Hz, 720x480i/p (4:3 and 16:9), 720x576i/p (4:3 and 16:9), 1280x720p: 50/60 Hz, 1920x1080i: 25/30 Hz, 1920x1080p: 50/60 Hz |
| HDMI Input Compatibility | HDMI 1.3, DVI-D |
| HDMI Input Compliance | HDCP Compliant** |
| VGA Input Bandwidth | 375MHz |
| VGA Input Resolutions | 640x480: 60/72 Hz, 720x400: 60 Hz, 800×600: 60/72/75 Hz, 1024×768: 60/70/75 Hz, 1280x720: 60 Hz, 1280×768: 60Hz, 1280x960: 60 Hz, 1280×1024: 60/75Hz, 1360×768: 60Hz, 1440x900: 60 Hz, 1600x1200: 60 Hz, 1680x1050: 60 Hz, 1920×1080: 60 Hz |
| VGA Input Compatibility | RGBHV, RGBs, RGsB, RsGsBs |
| Composite, S-Video Input Bandwidth | 150MHz |
| Composite, S-Video Input Compatibility | NTSC 3.58, NTSC 4,42, PAL, SECAM |
| Component Video Input Bandwidth | 170MHz |
| Component Video Input Resolutions | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p |
| Output Resolutions | 1920x1080, 1360x768, 1280x720, 1280x800, 1024x768 |
| Video Impedance | 75ohm |
| Maximum Pixel Clock | 145MHz |
| Video Gain | 0dB |
| Signal Level | 0.5V~2.0Vp-p |

**VGA Output will turn off when encrypted content is selected.

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| Audio Performance | |
|---|---|
| RCA/3.5mm Input Signal Level | -10dBv Nominal |
| RCA/3.5mm Input Impedance | >10k ohm |
| MIC Input Signal Level | -48dB Nominal (Mic input), +4dBu Nominal (Line Input) |
| MIC Input Impedance | 600 ohm (Mic input), >10k ohm (Line input) |
| ADC Format | 24bit, 48kHz, 2ch LPCM |
| Line Level Output Impedance | 50 ohm |
| Speaker Output | 2x10W @ 8ohm / 2x20W @ 4ohm |
| Frequency Response | 20Hz-20kHz |
| Stereo Channel Separation | >80dB @ 1kHz |
| Common Mode Rejection | >90dB @ 20Hz-20kHz |
| **Control Parameters** | |
| RS232 | 9600 baud |
| Ethernet | 100BaseT |
| **Chassis and Environmental** | |
| Enclosure | Painted Aluminum |
| Dimensions | 483mm x 235mm x 44mm (19 in x 9.25 in x 1.73 in) – 1RU |
| Shipping Weight | 3.74 kg (8.25 lbs.) |
| Operating Temperature | 0° to +48° C (+32° to +120° F) |
| Operating Humidity | 10% to 90%, Non-condensing |
| Storage Temperature | -20° to +70° C (+14° to +158° F) |
| Storage Humidity | 10% to 85%, Non-condensing |
| **Power and Regulatory** | |
| Maximum Power Consumption | 65 watts |
| Power Supply | 100vAC~240vAC, 50/60Hz |
| Regulatory | CE, RoHS |
| **Other** | |
| Warranty | 2 years |
| Included Accessories | IR Remote, Power Cable, Four (4) Rubber Feet, Serial Cable (DE9-F to Euroblock), Operation Guide |

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5e unless noted otherwise.

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