

# PDS series

## Easy-to-use digital switchers



The PDS series is designed to meet today's requirements for a high-quality, easy-to-use and fast seamless switcher with more digital inputs at an affordable price. The PDS is offered in three models: PDS-701 3G, PDS-901 3G and PDS-902 3G. Thanks to its straightforward setup and operation the PDS is a perfect fit for live events, boardrooms, hotel ballrooms, houses of worship, education and training facilities and fixed installations.

### Three models

The PDS-901 3G and PDS-902 3G models feature four DVI-I inputs with full HDCP 1.0 support, whereas the PDS-701 3G features two DVI-I inputs. All models include one 3G/HD/SD SDI and four universal analog inputs. All analog and DVI inputs support the EDID 1.3 specification. Users can capture and store up to three images that can be used as a LOGO source during the presentation. Built-in test patterns are also provided.

### Program output

All models offer simultaneous program output via the DVI and analog connectors. The PDS-902 3G and PDS-901 3G models also include an SDI output supporting SD/HD/3G rates and BarcoLink for easy connection to your Barco projectors. In addition, the PDS-902 3G offers a preview output that can be set at different resolution than the program output. Users have the option of displaying one of three signals on the preview output: program, preview or test pattern.

The PDS series won a Commercial Integrator BEST Award at InfoComm 2013.

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## Product specifications

## PDS series

| Video inputs            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|----------------|----------------|----------------|----------------|------------|---|---|---|---|---|------------|---|---|---|---|---|------------|---|---|---|---|---|
| DVI-I                   | <ul style="list-style-type: none"><li>■ Digital formats: all single-link DVI digital formats up to 165 Mhz, per DVI 1.0 specification</li><li>■ Analog formats: NTSC/PAL composite and Y/C video, SD YPbPr with bi-level sync, HD YPbPr with tri-level sync, RGBHV/RGBS/RGB computer video with bi-level sync</li><li>■ Analog 1:1 sampling up to 1920x1080@60 Hz. Sources with native pixel rates greater than 150 MHz will be filtered and sampled at 150 Mhz. These include but not limited to 1920x1080p@60 (173.0 MHz), 1920x1200@60 (193.25 MHz) and 2048x1080p@60 (183.75 MHz)</li><li>■ EDID version 1.3 compatible - HDCP version 1.0 compatible</li></ul> |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| HD-15 VGA               | <ul style="list-style-type: none"><li>■ Format: NTSC/PAL composite with Y/C video SD YPbPr with bi-level sync HD YPbPr with tri-level sync per SMPTE 274, RGBHV/RGBS/RGB computer video with bi-level sync</li><li>■ Analog 1:1 sampling up to 1920x1080@60 Hz. Sources with native pixel rates greater than 150 MHz will be filtered and sampled at 150 Mhz. These include but not limited to 1920x1080p@60 (173.0 MHz), 1920x1200@60 (193.25 MHz) and 2048x1080p@60 (183.75 MHz)</li><li>■ EDID version 1.3 compatible</li></ul>                                                                                                                                  |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| SD-HD-3G SDI on BNC     | Formats: SD-SDI per SMPTE 259M-C (NTSC/PAL resolution); HD-SDI per SMPTE 292M, 296M; 3G-SDI per SMTE 424M; BarcoLink                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Video outputs           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| DVI-I                   | <ul style="list-style-type: none"><li>■ Formats: all single-link DVI digital formats up to 165 Mhz, per DVI 1.0 spec</li><li>■ EDID version 1.3 compatible - HDCP version 1.0 compatbile</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| HD-15 VGA               | <ul style="list-style-type: none"><li>■ Formats: HD YPbPr with tri-level sync per SMPTE 274, RGBHV/RGBS/RGB computer video with bi-level sync</li><li>■ EDID version 1.3 compatible</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| SD-HD-3G SDI on BNC     | Formats: SD-SDI per SMPTE 259M-C (NTSC/PAL resolution); HD-SDI per SMPTE 292M, 296M; 3G-SDI per SMPTE 424M; BarcoLink                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Other                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Control                 | <ul style="list-style-type: none"><li>■ Ethernet RJ-45, 10/100 Mbps autosense</li><li>■ computer, tablet, smartphone, or Encore or ScreenPRO-II controller via Ethernet link</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Height                  | 1.75 inches (4.4 cm) - 1 RU rackmount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Width                   | 17 inches (43.2 cm) without chassis handles, 19.06 inches (48.4 cm) with chassis handles attached                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Depth                   | 14.25 inches (36.2 cm) from front to rear panel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Weight                  | 12.5 lbs - 5.67 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Input power             | 100-240 VAC, 47-63 Hz, auto-selecting 2.0 A maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Environmental           | Humidity: 0-95% non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Temperature             | 0-40°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Warranty                | Full three-year parts and labor warranty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Available models        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |               |                |                |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| Three digital switchers | <table><tr><th></th><th>VGA-inputs</th><th>DVI-I inputs</th><th>3G SDI inputs</th><th>Program output</th><th>Preview output</th></tr><tr><td>PDS-701 3G</td><td>4</td><td>2</td><td>1</td><td>1</td><td>-</td></tr><tr><td>PDS-901 3G</td><td>4</td><td>4</td><td>1</td><td>1</td><td>-</td></tr><tr><td>PDS-902 3G</td><td>4</td><td>4</td><td>1</td><td>1</td><td>1</td></tr></table>                                                                                                                                                                                                                                                                             |              | VGA-inputs    | DVI-I inputs   | 3G SDI inputs  | Program output | Preview output | PDS-701 3G | 4 | 2 | 1 | 1 | - | PDS-901 3G | 4 | 4 | 1 | 1 | - | PDS-902 3G | 4 | 4 | 1 | 1 | 1 |
|                         | VGA-inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DVI-I inputs | 3G SDI inputs | Program output | Preview output |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| PDS-701 3G              | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2            | 1             | 1              | -              |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| PDS-901 3G              | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4            | 1             | 1              | -              |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |
| PDS-902 3G              | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4            | 1             | 1              | 1              |                |                |            |   |   |   |   |   |            |   |   |   |   |   |            |   |   |   |   |   |

Last updated: 01 Apr 2016  
 Technical specifications are subject to change without prior notice.  
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