

4K UHDTV

Modular

PS600 SERIES DATA SHEET

MODULAR DIGITAL PRESENTATION SYSTEMS

The PS600 series of presentation systems supports up to 10 input devices and 2 independent displays. AV Integrators can select from a wide variety of signal types to support today's installation requirements with the knowledge the system can easily adapt to new signal types as they emerge or as additional inputs are needed.

The enclosures input slots can accept any combination of analog or digital input cards including HDMI, DisplayPort, DVI, and HDBaseT™. Analog video inputs like VGA, composite, and component video signals are automatically converted to the display format. The PS600 provides display information at each input to decrease switching time.

Many PS600 series enclosures include audio processing services. Audio can be extracted from the selected input, mixed with stereo or microphone inputs, then reinserted into the HDMI stream being sent to the display. Additionally, audio outputs are provided on balanced line outputs, RCA outputs, and/or 100W 4/8 ohm speaker-level outputs.



PS600 Series 10 X 2 Front View



COMMON APPLICATIONS

The PS600 is designed for larger presentation spaces like lecture halls, large conference rooms, and briefing centers.

The greatest value differentiator of the PS600 series is the ability of the product to morph and change with each installation. Frequently, universities and corporations make capital investments in meeting spaces only to find that the user's equipment has changed.

With the PS600, integrators can simply change an input card or two to adapt to this changing environment quickly using only the customer's maintenance budget.

FEATURES

MODULAR DESIGN The flexible design of the PS600 allows one to add or replace input, output, and controller boards with a single screw and can do so without removing the PS600 from the equipment rack or removing the outside blue cover. This feature allows users to quickly adapt to new signal formats, essentially "future proofing" their new installation.

4K RESOLUTION PS600 enclosures support resolutions from 480i to 4K/30 at speeds of 3.2Gbps/channel and 300 MHz TMDS clock.

10 INPUTS X 2 OUTPUTS Enclosures can accept any combination of input boards, one board per slot, up to 10 input slots. For outputs, each enclosure supports up to 2 independent displays. 10 X 1 X 2 enclosures have one output that is duplicated on a second connector.

STEREO AND MIC INPUTS Many of the PS600 enclosures support an optional stereo line input and microphone input with 48 VDC phantom power. These audio inputs are mixed with the selected input then reinserted into the HDMI output stream.

PRE-AMP STEREO OUTPUT Often, the sound coming from a flat panel display or projector is inadequate for larger boardrooms and conference rooms. In these situations the audio from the PS600 is connected to a set of local powered speakers. Whether the source is a desktop computer, laptop, iPad™, or BluRay™ player with HDCP encrypted content, the audience will hear everything clearly.

100W SPEAKER OUTPUT Another optional audio board is a 100 watt 4/8 Ohm Class-D speaker output. Volume levels can be controlled by the front panel, RS232, Ethernet, or USB interface.

CONTROL As mentioned above, the PS600 supports a variety of control methods: One-Touch Front Panel, RS232, Ethernet, and USB.

HDCP Full HDCP V1.4 (High Definition Content Protection) compliant.

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TECHNICAL DATA

AUX AUDIO INPUT (OPTIONAL)

Format:	(1) RCA Left/Right, Unbalanced, 2 Vp-p (1) Mini-XLR, Microphone, Balanced (1) Switch, On/Off, 48 VDC Phantom Power w/LED
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HDMI OUTPUT

Format:	(2) HDMI Type A, female, HDMI V1.4b 10.2 Gbps (3.4 Gbps per ch), 300 MHz Bandwidth
HDTV Formats:	480i@29.97/30/60/199.88/120Hz, 480p@59.94/119.88/120/240Hz, 576p@50/100/200Hz, 720p@50/59.94/60/100/119.8 8/120Hz, 1080i@25/29.97/30/50/59.94/60Hz, 1080p@23.976/24/29.97/30/50/59.94/60Hz, 3840x2160@30Hz (4K/2K), 3840x2160@60Hz (4K/2K @ 4:2:0)
VESA Resolutions:	640x350@85Hz, 640x480@60/67/73/75/85Hz, 720x400@85, 800x600@56/60/72/75/85Hz, 832x624@75Hz, 852x480@60Hz, 1024x576@60Hz, 1024x768@42/60/70/75/85Hz, 1152x864@75Hz, 1152x870@75Hz, 1280x768@60/75/85Hz, 1280x960@60/85Hz, 1280x1024@60/75/85Hz, 1360x768@60Hz, 1365x1024@60/75Hz, 1400x768@60Hz, 1400x1050@60Hz, 1440x960@72Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@60Hz

STEREO OUTPUT, LINE OUTPUT

Format:	(1) 2-location RCA, Left (white), Right (red), unbal or (1) Screw Term, detachable, balanced
Frequency:	32, 44.1, 48, or 88 kHz / PCM
Voltage:	0.7 Vp-p
Impedance:	50 Ohm

SPEAKER OUTPUT (OPTIONAL)

Format:	(4) Screw Term, detachable, unbalanced
Output:	4/8 Ohms, 100W (50W per channel)

ENCLOSURE

Dimensions:	44 x 31 x 9 cm, (17.3" x 12.2" x 3.5"), 2 RU
Appx Weight:	4.5 kg, (10 lbs)
Power:	3.6A/115VAC, 2.2A/230VAC
Material:	Alum Metal, Black Matte Finish on Base, Blue/Black on Cover

CERTIFICATIONS

Safety:	CE
Environ:	CE, RoHS

ENVIRONMENTAL

Store Temp:	-20° C to 70° C (-4° F to 140° F)
Store Humid:	10% to 90%, non-condensing
Oper Temp:	0° C to 70° C (32° F to 158° F)
Oper Humid:	10% to 90%, non-condensing

WARRANTY

Coverage:	3 Years, Parts & Factory Labor
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OPTIONAL INPUT BOARDS



Note: All nominal levels are at +/-10%. Specifications are subject to change without notice.