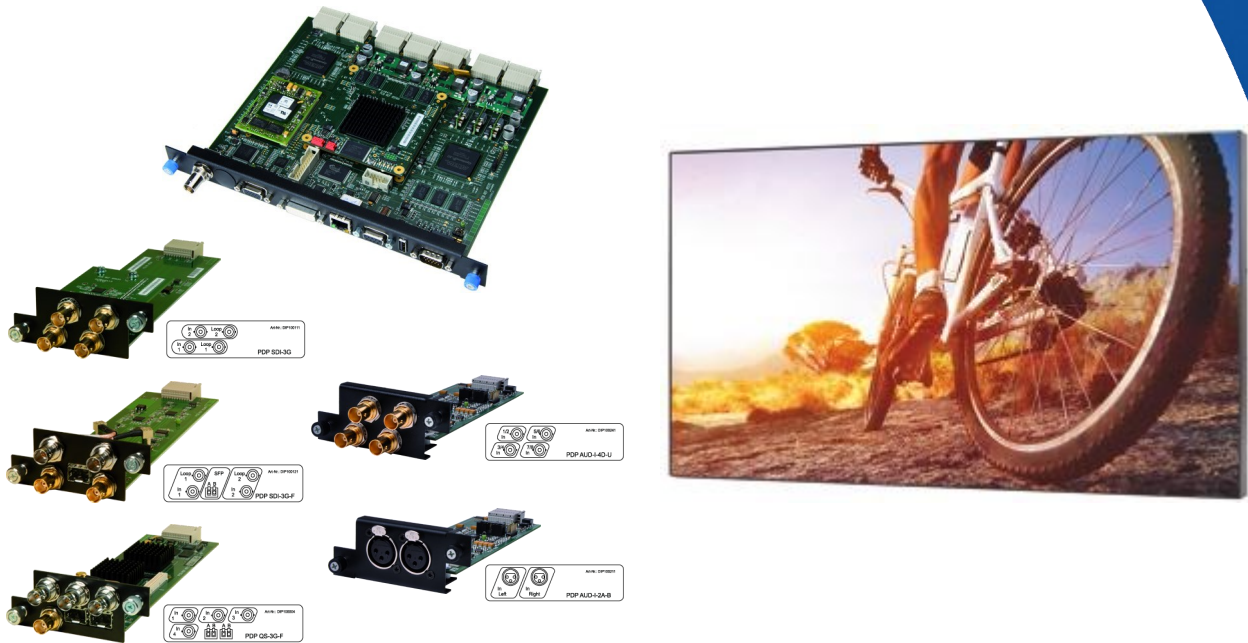


PDP 55XSB-B

hd 2Line PRO

Extreme Small Bezel Broadcast Display

hd2Line Pro stands for the proven generation of multi standard Broadcast Displays, utilizing high quality video and audio processing hardware combined with the most up to date LC Display Technology available today. The optional multi-format 3G/HD/SD-SDI input with Fiber Optic Module (option) supports data rates up to 3Gb/s and accepts SD-SDI, HD-SDI, optional Dual-Link HD-SDI, and 3G-SDI. Accepted signal formats amongst others : 480i/29.97, 576i/25, 720/50p and 720/60P, 10-bit/12-bit RGB 4:4:4, 1080psf/23.98, 1080p/23.98, 1080psf/24, 1080p/24, 1080psf/25, 1080p/25, 1080i/25, 1080psf/30, 1080p/30 and 1080i/30(29.97), 10-bit 4:2:2 1080p/50 and 1080p/60(59.94). Multiple audio I/O modules complement the range of available options, including discrete analog or digital Inputs and de-embedded audio outputs .



PDP 55XSB-B - Product Highlights at a Glance

- Ultimate picture quality
- Outstanding gray scale and color depth through a 16 bit panel driver
- Number of colors displayed: 1.06 billion colors (RGB - 10 bits each)
- Perfect and repeatable color matching between monitors
- Multiple color gamut's
- Precise picture uniformity and stability
- Multi-format signal support – freedom to operate in whichever format you work
- Automatic aspect ratio and mode identification
- 1:1 pixel mapping
- Perfect motion interpolation for interlaced signals
- VITC/ATC timecode display
- NTP (network time protocol) driven real time display
- WSS/AFD indicator
- DCS 3 remote control software
- Centralized monitor wall control via Ethernet
- Dolby indicator
- 8 channel audio level meter
- Selectable color temperature 3200K, 5400K, 6504K, 9300K
- Color component display modes: all, red-, green-, blue-only, monochrome
- Dynamic and static IMD support
- Tally support via GPI and VGPI (network)
- Programmable GPI control
- Safe area and safe title
- Built-in screensaver to minimize sticking
- Built-in diagnostic and test pattern generator
- Rugged, durable design, Xtreme small bezel (< 1mm)
- No fans - no noise
- Optional wide range of input formats: analog and digital up to 3 Gb/s
- Optional Dual Link SMPTE 372M, SMPTE 424M
- Optional 3D-Mixer
- Optional Loudness
- Optional Fiber optic input
- Optional Quad Split (optional 4K support)

Technical Specifications

General

Model	PDP 55XSB-B
Type Multiformat HDTV	LC Display - 10 bit panel
Screen Size	55" wide format
Aspect Ratio	16:9
Native Resolution	1920 x 1080 Pixels
Effective Screen	1209.60 mm (H) x 680.40 mm (V)
Display Colors	1.06 billion
Brightness / max. Brightness	80, 90, 95, 100 conform to EBU, User selectable / 700 cd/m²
Contrast Ratio	1400:1 max.
Response Time	12 ms (gray to gray)
Viewing Angle	H-178° / V-178°
H Frequency	65.000kHz - 70.000kHz
V Frequency	50Hz / 60 Hz

Color Space / Gamma / Motion Adapt.

Color Space	HDTV (ITU-R BT.709); SDTV (ITU-R BT.601)
Color Temperature	Presets 3200 K / 5500 K / 6504 K / 9300 K
Gamma Correction	10 bit gamma correction 1.0, 1.5, 2.0, 2.2, 2.35, 2.5 conform to EBU spec., User
Motion Adaption	5-line super adaptive 2D comb filters
Scaling	Native / 4:3 / 16:9 / Full screen / WSS / AFD / User

Input / Output Terminals

Video 1	Composite Video / BNC / 1 Vss - 75 Ohm
DVI-I	DVI-I (single link) up to 1920x1200@60Hz including DDC1 EDID support
VGA	RGB / 15pin Sub-D, 0.7 Vss - 75 Ohm
Optional 3G/HD/SD-SDI (up to 4 inputs)	SMPTE 424M (3 Gb/s) SMPTE 292M / ITU-R BT.656 / SMPTE 295M
Optional Fiber optic module (up to 4 inputs)	SMPTE 297M - 1260-1620 nm, LC/PC (female), single mode, -23 dBm sensitivity

External Control

Ethernet Network	Remote control, color alignment, dyn. IMD and Tally / RJ-45 8pin
RS 232	Remote control / 9pin Sub-D (female)
GPI	Static IMD and Tally, function key / 15pin Sub-D (male)

Electrical / Mechanical

Operating Temperature	5 °C - 45 °C
Power Requirement	AC 100 - 240V, 50/60 Hz
Power consumption min. (± 5% tolerance)	57W
Power consumption typ. (± 5% tolerance)	80W
Power consumption max. (± 5% tolerance)	200W
Dimensions (Width x Height x Depth)	1211.5 mm x 682.3 mm x 137.4 mm (Bezel approx. 0.9 mm)
Weight excluding Mounting (± 3% tolerance)	22,8 kg
Mounting	MIS-F, VESA 400, M6 x 10, C
Color	RAL 9005 Black

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