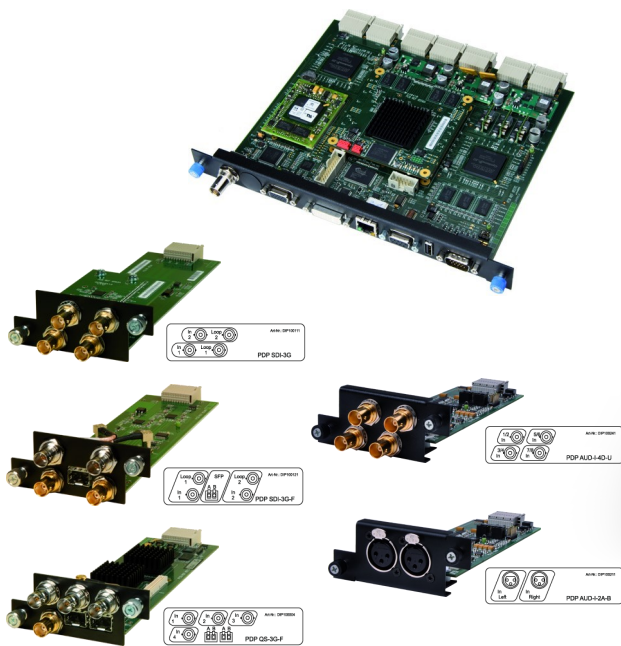


PDP 49W

hd2Line PRO

High Performance Broadcast LC Display

HD2line Pro represents the newest generation of Broadcast LC Displays, utilizing state-of-the-art video and audio processing hardware combined with the most precise LC Display Technology available today. An optional multi-format 3G/HQ/SD-SDI input with an optional Fiber Optic Module supports data rates of 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 analog and digital audio I/O modules complement the range of available options, including discrete analog or digital inputs and de-embedded audio outputs .



PDP 49W - Product Highlights at a Glance

- Ultimate picture quality
- Outstanding gray scale and color depth through a 16 bit panel driver
- Number of colors displayed: 1.07 billion colors (RGB - 10 bits each)
- Perfect and repeatable color matching between monitors
- Multiple color gamuts
- 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 realtime 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
- 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 49W
Type	Multiformat HDTV LCD Monitor - 10 bit panel
Screen Size	49" wide format
Aspect Ratio	16:9
Native Resolution	1920 x 1080 pixels
Effective Screen	1073.8 mm (H) x 604.0 mm (V)
Display Colors	1.07 billion
Brightness / max. Brightness	80, 90, 95, 100 conform to EBU, User selectable / 700 cd/m ²
Contrast Ratio	1300:1
Response Time	8 ms (gray to gray)
Viewing Angle	H-178° / V-178°
H Frequency	31.400 kHz - 75.000 kHz
V Frequency	50 Hz / 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 superadaptive 2D comb filters
Scaling	Native / 4:3 / 16:9 / Full screen / WSS / AFD / User

Input / Output Terminals

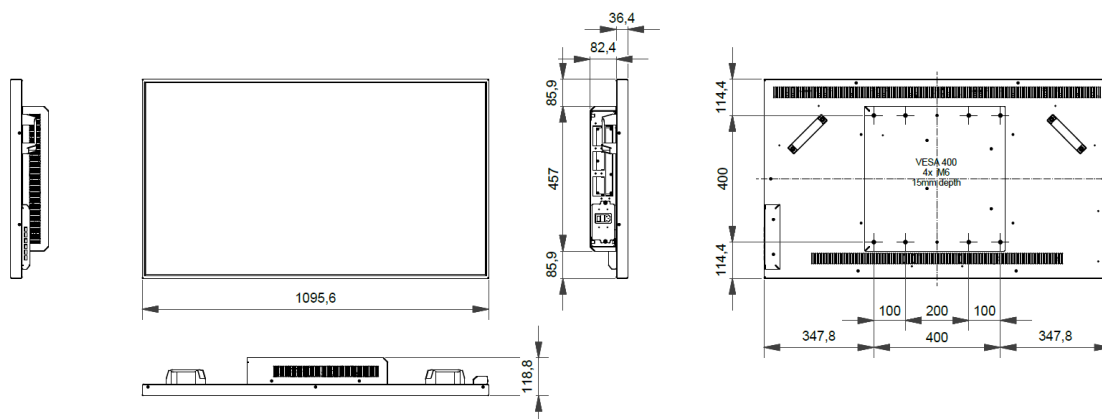
Video 1	Composite Video / BNC / 1 Vss - 75 Ohm
DVI-I	DVI-I (single link) up to 1920x1200@60Hz including DDC1 EDID support
VGA	RGB / 15pin Sub-D, 0.7 Vss - 75 Ohm
Optional 3G/HD/SD-SDI (up to 4 inputs)	SMPTE 424M (3 Gb/s) SMPTE 292M / ITU-R BT.656 / SMPTE 295M
Optional Fiber optic modul (up to 4 inputs)	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)	TBD
Power consumption typ (± 5% tolerance)	TBD
Power consumption max (± 5% tolerance)	TBD
Dimensions (Width x Height x Depth)	1095.6 mm x 628.8 mm x 118.8 mm
Weight excluding Mounting (± 3% tolerance)	21.10 kg
Mounting	MIS-F, VESA 200, M6 x 10, C
Color	RAL 9005 Black



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