

# LIP-HDI

## A Classic is Reborn

Lighthouse's LIP-HDI interface processor heralds a new era for fixed installation platforms, offering a new communications chipset for better cable management when driving HD resolution screens. It provides connectivity to LED screens directly from any HD source, whether it's an HD camcorder or Blu-ray disc player, via certified HDMI 1.3.



The LIP-HDI supports 1080p resolution and 12-bit deep color for awesome True HD image quality in both indoor and outdoor applications. A user-friendly control interface simplifies operations, and the more efficient design delivers better performance while reducing energy consumption.



### Product features

- Processes VGA, SVGA, XGA, SXGA & UXGA signals and supports SMPTE standards to 1920 x 1080p, 50/60Hz
- Input selection between DVI and HDMI source
- Maximum 5 SDI Serializer outputs
- New generation fixed installation processor for Lighthouse's Panels
- Repositioning capacity by Pan and Tilt
- Monitor output for input video
- Real-time input source indicator
- Board FPGA and CPU version detection
- On-board LCD control panel
- 96 levels of Brightness control
- 8 levels of Gamma control including linear
- 7 settings of Color Temperatures adjustment
- 9 LIP Test Patterns and 79 Panel Test Patterns
- Color corrector built-in for SMPTE TV color
- Individual LED panel control
- 2 banks for color uniformity
- Attachable Auto Brightness Controller (ABC)
- RS232 and Ethernet PC control channels

## Industry-first HDMI Input



Carrying the HDMI™ logo, the LIP-HDI is certified to the exacting HD Multimedia Interface 1.3 standard. This makes it HDCP compatible for connection with commercial source, allowing user to play movies that require such standard.

## Video Excellence



The LIP-HDI interface processor delivers Full HD in resolutions up to 1920 x 1080p and allows LEDs to display billions of deep colors more accurately.

## HD Source Flexibility

Fully compatible with all video sources, the LIP-HDI accepts video in multiple resolutions. This provides the greatest flexibility for every type of indoor or outdoor LED application.

## Complete Control

The built-in control platform makes it control - friendly. System parameters such as brightness, contrast, gamma, color temperature, and resolution could all be controlled through the on-board LCD control panel and PC interface.

Specifications		
Features		
Input Standard		VESA standard VGA / SVGA / XGA / SXGA / UXGA SMPTE standard 720x480p, 720x576p, 1280x720p, 1920x1080p
Output Standard		Monitor - Analog: VGA, SVGA, XGA, SXGA, UXGA, 480p, 576p, 720p, 1080p Panels - LH-SDI: VGA, SVGA, XGA, SXGA, UXGA, 480p, 576p, 720p, 1080p
HDMI Compliance		HDMI 1.3
Content Protection		HDCP
Video Input Terminal		HDMI Input, DVI-D Input
No. of LH-SDI BNC Outputs		Max. 5
No. of Video Output Terminal		1
PC Control Interface		RS232 port for remote control software RS232 port for Daisy-chain to the next LIP Ethernet for remote control software (Optional) USB for firmware upgrade
User Interface		LCD Display / Keypad / LED indicators / Panel Control function / RS422 for ABC / ANS Channel
Physical Characteristics		
Dimension	Height (mm) Width (mm) Depth (mm)	88 (2U) 485 220
Net Weight		8kg (18lb)
Connector Type	Input	DVI : DVI connector HDMI : HDMI Receptacle COM : 9-pin D-sub Female Ethernet : RJ45
	Output	SDI: 75-ohm BNC VGA: HD15 D-sub VGA Female COM: 9-pin D-sub Male
Packing Capacity		1-in-1
Environmental		
Temperature	Operating (°C)	0 to +40
	Storage / Shipping (°C)	-20 to +70
Electrical		
AC Input	Voltage (Volt)	100 to 240V
	Power Consumption	25W
Warranty		
Warranty		1 year

\* Lighthouse reserves the right to change any specifications without notice.