

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

FULL HD
1080p

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 USB : USB mini-B HDMI : HDMI Receptacle ABC : 9-pin D-sub Female COM : 9-pin D-sub Female ANS : 3-pin XLR Male 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.

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