LEAP-S

High Resolution Processor

LEAP-S is a new member in the Lighthouse processor family. This new processor offers a solution that is simple but high in quality to the premier applications, such as professional sports stadiums, TV studios and control rooms, etc.

The LEAP-S is able to support maximum of 2048 x 1024, 1600 x 1200 , 1920 x 1080 high resolution (HD) image. The LEAP-S processor is a fully calibrated system with both color and brightness correction, incorporating the Lighthouse proprietary M4 calibration scheme. The LEAP-S featured auto addressing, Brightness, Gamma, and color temperature control, environmental Monitor, Panel Address Offset, Panel Reboot, Sync Loss Color, Panel Address Display, offering a real user-friendly experience to the operators.

Product features

- Process DVI signals

- Maximum display capacity of up to 2048×1024 pixels

- Supports screen configuration at any time without a computer

- Supports manual adjustment of the screen brightness, Gamma, Color Temperature, which is convenient and efficient

- DVI-D input;

- Auto Addressing;

- Panel Address Offset;

- Panel Reboot;

- Sync Loss Color

LEAP-S

Specifications	
General Specification	
Rated Voltage	AC100V~AC240V 50Hz/60Hz
Voltage Tolerance	AC90V~AC250V
Power Consumption	20W
Rated Current	0.3A
Dimensions	482(W)mm x 44(H)mm x 200(D)mm (Not including protrusions) Can be installed on EIA standard rack (1U)
Weight	Approx. 3kg
Use Conditions	Ambient temperature range 0℃~+40℃ Relative humidity range 30%RH~80%RH (but no condensation)
Physical Characteristics	
DVI-D Input	DVI-D via DVI-I connector 1 port. DVI 1.0 and HDCP compliant. TMDS single-link RGB 24-bit/30bit Dot clock: 25MHz~165MHz Maximum input resolution:1920 x 1200 (WUXGA) Receptible frame rate: 50Hz+1Hz / 60Hz+1Hz
Display Output	RJ-45 4 ports 1000BASE-T. LEAP protocol Maximum transmission distance: 100m (with CAT5E)
USB Control	USB Type-B 1 port Baud rate:115,200bps(UART over USB) Supports Windows Vista/7/8 certified Drivers.
Ethernet Control	RJ-45 1 port. 10BASE-T/ 100BASE-TX. TCP/IP (with DHCP support)
LED Indicators	Power, DVI input (OK/Error/No input), Link Status x 4 (Output1~4)
Maximum Transmission Capacity	524,288 pixel / Output port 2,097,152 pixel/ Controller (4-port)
Maximum Screen Size	1024 x 512, 800 x 600, 960 x 540. etc / Output port 2048 x 1024, 1600 x 1200, 1920 x 1080, etc / Controller (4-port)
Output Frame Rate	50Hz + 1Hz, 60Hz + 1Hz
Panel Control Functions	Auto Addressing, Brightness, Gamma, Color Temperature, Test Pattern, Environmental Monitor, M4, Panel Address Offset, Panel Reboot, Sync Loss Color, Panel Address Display, etc
Software Features	Auto Addressing , Configuration file save/load, Alert E-mail, Link Diagnosis, etc.
Accessories Included	Power cable(JP AC100V~AC120V), Control Software/Driver CD-ROM, Rubber feet, Operation manual

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