

# Introducing Intelligent Lectern Systems convenience

ILS develops out-of-the-box solutions for conducting seminars, lectures, meetings and conferences. We use our many years of experience in servicing the international pro-AV markets, in display technology, in the development of simulation and training software, gaming and Graphical User Interface technology combined with worldwide production efficiency.

## ILS16H interactive lecturing data sheet



ILS16P Original at CERN



Prototype development for new generation



Industrial desing of new ILS16H

The original ILS16 was developed in Switzerland and produced in Germany. We are now presenting the next generation of the ILS16 SpeakersCorner, the ILS16H, on a slightly larger footprint to fit more rack modules, with additional height adjustment and a secondary monitor.



### Milestones:

Prototype development  
June 2010-2011

Design completion was  
January 2012.

Production is starting  
the second week of  
February 2012

The ILS16 serves the education and training market with an ultra compact lectern suitable to fit any classroom. With adequate space and flexibility in the configurations, it can serve wide functional use, such as lecturing, recording/streaming platform, business presentations during events, seminars etc. Its solid construction will make it outlast any previous lectern, no wonder, many ILS lecterns are in use at Army training around the world.

## Just as the popular new ILS24H, the ILS16 comes in 3 versions:

### ILS16HX

- Stylish cabinet including on 42 x 71 cm footprint, slide-out 12" touch panel (native resolution 1280x800) on the side, dual rack access, microphone socket and cable nook for connecting a notebook.
- 4-port USB hub.
- The nicely rounded desktop cover can hide an interactive 19" or 19" wide screen monitor
- The cabinet is made of removable thick aluminium on a steel frame with rounded extrusion elements to create a very solid product.
- Over its predecessor ILS16HX offers height adjustment as well as angle adjustment of the main monitor
- Physical door locks for cover and rack access doors

### ILS16HE, adds to the ILS16HX

- 19" widescreen interactive monitor (Accu 1902WE)
- Education control system: (Creator SCA300) including both button controls and control from the monitor. Provides for 3 VGA + 3 video input source switching, scaling, IR, digital IO and relays and serial i/f for controls.

### ILS16HF, adds to the ILS16HE

- Choice of 120Watt 6 channel input mixer/amplifier or 2x 100Watt stereo amplifier
- Gooseneck microphone on shock-mount XLR foot.
- State of the art PC to support the interaction on the local level.
- Localized 84 button keyboard
- Sho-Q Presentation and white boarding interactive software (limitations may apply in certain languages)

### Custom options:

- Migrate to higher quality interactive monitors, such as WACOM PL720, SMART SP518
- Expand the controller with true matrix switching 8 inputs/4 outputs including digital out.
- Use 7 – 10" tablet PC control capability
- Add a 5MP visualizer that hides between monitor and controller when closing the top cover
- Expand audio with various wireless systems
- Upgrade the PC to higher levels of performance
- Add capture recording/streaming systems controlled from the 12" touch side panel
- A wider version of the ILS16H will accommodate screen sizes up to 24" such as the SMART SP524



## Detailed specifications:

### Cabinet:

- 42x71 cm by 98 – 115 cm tall. VESA mount monitor plate with tilt adjustment logical for pen interaction.
- 4 – 5 mm aluminium extrusion and plates
- 4 + 11 Rack unit of storage (approx 12" – 13" deep)
- Floor roller for ease of transportation
- Cable nook cabling: Power socket, VGA , LAN, USB, PC audio

### Main monitor (HE version)

- 19" wide screen 16:10 tablet monitor, dimensions: 44 x 31 x 7 cm, weight 4 Kg, Active area 408x255 mm
- Pen accuracy +/- 0.5 mm, 2000 LPI default, pitch 0,294mm x 0,294 mm, response time 5ms
- 1024 pressure levels, 125 reports/sec
- Brightness 300 cd/m<sup>2</sup>, operating temp 0° - 50° C

### Education controller (SCA300 in HE version)

- Control Ports:
- Com Ports: 1 RS232 (3.5mm) COM port to connect peripheral equipment as projector
- IR Ports: one IR (3.5mm) OUT port to control IR-control based peripheral equipment as DOC CAM, DVD, VCR, AUX, etc.
- PC Console Port: 1 DB9 female PC control port on the rear panel, support PC control via Management Software
- Integrated Scaling Switcher:
- Audio Switcher: 6 inputs (2 RCA interfaces + 3 3.5mm stereo audio interfaces + 1 MIC); 1 3.5mm output interface
- Visual Scaling Switcher: 6 inputs (3 RCA interfaces + 3 VGA HD interfaces) + 1 VGA HD output; support 12 most-common resolutions, up to 1920\*1080@60Hz
- Independent Volume Control Module: Support independent volume for each channel
- Thirteen IR Programmable Control Keys, Built-in IR Learning Module  
Support 4\*7+4=32 IR control keys for controlling DOC CAM,DVD,VCR,AUX. And 2 keys for projector.
- Power: DC12V
- Software: Intelligent Education Control System Software
- Dimension(mm):L230XW137XH50
- All buttons are replicated on screen for control from the monitor in a window

### Side panel:

- 12" VGA 1280x 800 native resolution, tilt angle, USB resistive touch
- 4 USB-HUB

### Audio Package:

- Amplifier details
  - 120W mono (JHS120B) default or 2x 100W stereo (JHS2300B) or 2x 50W soundfield classroom alternative (DSP80A)
  - Sunken knobs prevent adjustment mistakes
- Mixer details
  - 6 mic inputs (1 input -20dB switch), 2 line inputs, 2 line outputs, frequency response 50 – 20000Hz, 4 point equalizer
  - Phantom power
- Wireless mixer detail: (option)
  - 735-870 MHz frequency range, select from 2x 100 channels
  - Signal to noise ratio > 110 dB, sensitivity -95~-67 dBm, 40 – 18000 Hz with harmonic distortion <0.5%,
  - Balanced outputs, 3-30mW transmission power, power consumption <10 W
- Microphone details
  - Unidirectional condenser microphone head on gooseneck with XLR foot
  - 100-10000Hz within 1dB, response 50 – 16000 Hz, -45dB+/-3dB, output impedance 600Ohm+/-30% at 1 KHz

### PC specifications:

- INTEL i5 CPU, ASUS motherboard, minimum INTEL H61 Chipset, 2nd Generation iCore support 2 GB RAM, 320 GB HDD
- ASUS NVIDIA GT520 LP graphics card added for dual analog graphics and powerful connectivity
- DVD player on USB in upper compartment
- WIN 7 PRO OS

### Sho-Q / ppt-show specification:

- Manage multiple presentations, new generation sho-Q will manage more file types
- White board interaction software