

# FIGURE SKATING

## JUDGING SYSTEM LEVEL 3

Tailor-made for international events

**The Figure Skating Judging System Level 3 has been designed to easily set up and handle National and International Figure Skating events.**

Level 3 is the most advanced system level and has been used with great success during numerous International events. The video replay feature considerably increases the accuracy of the Officials' assessments. Controller, Technical Specialist, Assistant Technical Specialist, Referee, Judges, Results Supervisor, Video Camera operator and Video Cut operator are required to run an event at level 3. The Controller verifies well-balanced program violations and resolves disputes between the Technical Specialists. The Technical Specialist calls the elements. The Referee enters program deductions in ISUScoreFS. The Judges enter GOE and program component scores, while the data operator (Results Supervisor) certifies the final result and authorizes the public release of the result. A video camera operator is required to record the Skaters' performance. Another person is required to operate the Video Cut PC.

There are 2 different options for the implementation of the video replay feature: one is to provide video replay to the Technical Specialist only (Level 3). The second one is to provide video replay to all Officials including the Judges (Level 3A). One PC runs the officially approved ISUCalcFS application, one ISUScoreFS (PC of the Technical Specialist). The Judges PCs (touch screen panels or standard laptops) run ISUScoreFS. Another PC is used to run ISUCutterFS (video cut application). All PCs are connected using a LAN network.

For details of technical specifications please refer to the following pages.



Judges Panel

### Technical Specifications Level 3

#### 3 Notebooks (incl. backup):

- Microsoft® Windows XP or Windows 7
- At least 192 MB RAM
- VGA 1024x768
- At least 60 GB Hard Drive
- 100 Mbit Network connection
- Interfaces: firewire, USB, LAN, modem, WLAN, serial

#### Video operator notebook:

- At least Pentium III (1 GHz) / AMD processor 1 GHz/  
Pentium-M processor 1.4 GHz, AMD-M processor
- Microsoft® Windows XP or Windows 7
- 256 MB RAM or more
- VGA 1024x768 - DirectX9 installed
- At least 20 GB Hard Drive or more - split,  
i.e. 8GB for the system, 12GB (NTFS formatted)
- 100 Mbit Network Connection
- Fire wire (onboard or via PCMCIA card)

#### Judges Panels: slim-design Touch screen PCs

- Ultra Slim 12.1" XGA Panel: resistive touch
- Intel LV Celeron 1.0GHz
- 512MB / 1GB DDR-RAM, 120GB HDD

### Sample of a 5 Judge Level 3 system

#### Video replay for Specialist touch screen solution:

- 1 Notebook ISUCalcFS for the data operator
- 1 Notebook ISUScoreFS for the Technical Specialist
- 1 Notebook ISUCutterFS
- 1 backup notebook
- 1 Network hub and cabling
- 1 Laser printer incl. cabling
- 5 Judges panels (slim design touch screen tablet PCs)
- 2 video converters
- 1 Video distributor incl. cabling
- 1 digital camcorder incl. professional tripod  
and pan/tilt head
- Intercom system incl. professional tripod

### Sample of a 5 Judge Level 3A system

ISU financed set - Video replay for Specialist and Judges touch screen solution:

#### Video replay for Specialist and Judges (slim design):

- 1 Notebook ISUCalcFS for the data operator
- 1 Notebook ISUScoreFS for the Technical Specialist
- 1 Notebook ISUCutterFS
- 1 backup notebook
- 1 Network hub and cabling
- 1 Laser printer incl. cabling
- 5 Judges panels (slim design touch screen PCs)
- 7 video converters
- 1 video distributor incl. cabling
- 1 digital camcorder incl. professional tripod  
and pan/tilt head
- Intercom system incl. 5 headsets

#### Video replay for Specialist and Judges extremely rugged design touch screen solution for heavy wear:

- 1 Notebook ISUCalcFS for the data operator
- 1 Notebook ISUScoreFS for the Technical Specialist
- 1 Notebook ISUCutterFS
- 1 backup notebook
- 1 Network hub and cabling
- 1 Laser printer incl. cabling
- 5 Judges notebooks  
(shock resistant touch screen PCs, alloy case)
- 7 video converters
- 1 video distributor incl. cabling
- 1 digital camcorder incl. professional tripod  
and pan/tilt head
- Intercom system incl. 5 headsets

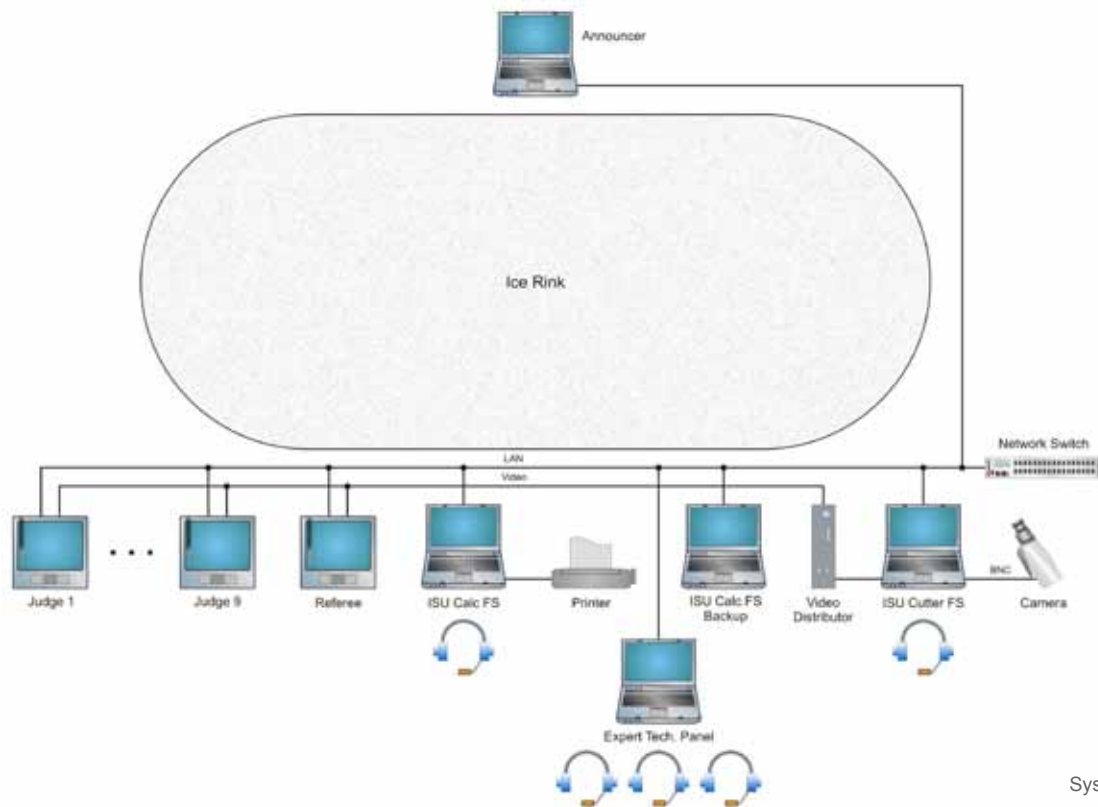
The system is delivered with device cabling type F (plugs CEE 7/4).



Complete system

## Optional Accessories

- Each additional Judges Panel notebook, no touch screen, incl. network accessories
- Each additional Judges Panel slim design touch screen, incl. video and network accessories and stand
- Each additional Judges Panel rugged design touch screen PC (heavy wear) incl. network accessories
- Each additional Intercom headset incl. belpack and cabling
- Audio interface to connect an external recording device to record communication between Judges and Specialist (1U 19" rack space)
- HTML-based Announcer Software
- Scoreboard Projector Software
- Additional laptop for Announcer or Scoreboard Projector software, incl. network accessories
- Tailor-made flight case for the secure transportation of the system
- English operating system and country-specific keyboard layout for ISU financed set
- Interfaces to scoreboards, TV etc.



System overview

We reserve the right to make improvements in the technology without prior notice. Please allow delivery times of up to 9 weeks upon receipt of payment. Further information is available on [www.isujudgingsystem.com](http://www.isujudgingsystem.com).