



## The Ivybridge Scoring Machine Specification (V1.17)

The Scoring Machine is intended for small clubs and competitions on a 'normal' club evening. It's not designed to handle large all-day events with hundreds of images. Marking machines for large events are already available.

### Computer details

PC with XP/Vista/Windows 7 with 10Mb Hard drive space, Mouse & 1024 x 768 (or greater) display. Windows Installer 3.1, .Net Framework 3.5 – normally already installed, but also downloadable from Microsoft.

From 2 to 5 USB-connected Standard Numeric Keypads with 5 maths keys (\* / + - .), USB Hub. The five maths keys are used as the keypad (judge) identifier and the keycaps may be swapped around so that only one code is pressed (the star key).

### Three Modes:

Standard Competition. (Judges are impartial).

Self-Judging Mode. (Judges come from the clubs participating in the competition).

Self-Judging Mode with Tidemark balancing. (Redistribution of 'spare' marks from judges that consistently mark low.)

### Standard Competition Mode

- a) From 2 to 5 judges
- b) From 1 to 8 clubs
- c) From 8 to 25 images per club - a total of 200 images. (8 to 200 per club if just a single club is selected)
- d) Marking range: either 2 to 5 or 1 to 10
- e) Image sequence: Normally automatically set at 'Linear', but this may be overridden.
- f) (A Linear sequence would have images from different clubs following each other in the same order each round. Club A followed by Club B and so on.)
- g) All judges will mark each image.

### Self-Judging Mode

- a) From 2 to 5 judges (The number of judges must equal the number of clubs)
- b) From 2 to 5 clubs.
- c) From 8 to 25 images per club - a total of 125 images.
- d) Marking range: either 2 to 5 or 1 to 10
- e) Image sequence: May be set to Linear, or hand set to any sequence, or to any sequence provided from a spreadsheet file.
- f) One judge will not mark each image. (The judge from the club that image is from.)

### Self-Judging with Tidemark balancing

- a) A 'tidemark' may be set that indicates an average mark for images. Judges that incur an average marking level below the tidemark trigger a redistribution of 'spare' marks to other clubs.
- b) 2 redistribution methods are currently available.
- c) A percentage of marks may be set for redistribution.
- d) The Tidemark balancing may be turned on or off at will. (Even after the competition is over)

## **Judges' details**

- a) Judge's marks are scored each round and the image score displayed.
- b) Judges may ask to see their marks again (not if 'concealed') and to remark if desired.
- c) A pause and secondary score display provides time for judges to check their marks before the score is announced.
- d) Judges get keypad activation advice. A yellow colour in the judges mark window is displayed when his/her keypad is 'acknowledged'. A green colour is displayed when the mark has been accepted.
- e) Judges may choose to See Marks, or Conceal Marks (the image score always shows when all judges have marked), or Quick Reveal marks. In quick reveal mode all judges' marks are briefly shown after all judges have marked.
- f) Judges may mark 'in sequence' (when each judge gets a letter prompt to mark) or 'at any time' when judges may mark whenever they wish, but in this mode, must take notice of any warning messages indicating keypad keys held down too long. The mode found most satisfactory is 'In Sequence' and 'Quick Reveal', so this is the default mode.

## **Report pages show**

- a) The competition results with club scores and club place marks. Also in spreadsheet export form.
- b) The individual scores and marks for each image. Also in spreadsheet export form.
- c) Placed images for the top 12 images in the competition. (Spreadsheet output lists all image placing)
- d) The sequence and judge marking information for each image. Also in spreadsheet export form.
- e) Hand checking spreadsheet export. Useful if club members wish to follow scoring for themselves.

## **Set-up information**

The system needs some set-up information before a competition can be run:

- a) Number of judges.
- b) Number of clubs.
- c) Whether the judges are from clubs taking part or are unbiased. (Competitions marked by 'involved' judges are prevented from marking images from their own clubs)
- d) The scoring range 1 to 10 or 2 to 5.
- e) The images per club in the competition.
- f) The 'sequence' of the images. This is the order in which images from all clubs are shown.
- g) 'Average' score for Tidemark and Tidemark method. (Only required if Tidemark balancing is desired under self-judging conditions.)

Items (b), (e) and (f) may be automatically extracted by importing some projection software spreadsheet exports. (DiCentra for example)

## **Other**

- a) A video demonstration for judge education. (Judges may not have seen the machine previously)
- b) Set up details may be saved and loaded and help menus are available at all times.
- c) Competitions may be saved and loaded.
- d) A temporary file is continuously made to cover power failure & gremlins
- e) Competitions may be halted at mid point and the results shown.
- f) Over-large windows and characters for all judge information panels so the computer may be viewed at a distance.
- g) Focus may be shifted to the image display application, so allowing both the projection software and the scoring machine software to be run on one computer if desired. (with dual-screen mode)

© David Rayner, October 2011