

# iWall 206

4K60 HDMI 2x6 Video wall controller

*Design Spec V1.0*

*Note: this design spec is for system integrators*

## 1. HARDWARE

- The video wall controller shall have 2x HDMI 2.0 4K60Hz input ports with the highest input resolution up to 4K@60Hz 4:4:4 and supports HDCP 2.3.
- The video wall controller shall have 6x HDMI 2.0 4K60Hz output ports.
- The video wall controller shall have 1x HDMI 2.0 4K60Hz loopout port for cascading.
- The video wall controller shall have 1x TCP/IP port.
- The video wall controller shall have RS232 ports.
- The video wall controller shall have 2x 3-pin Euro block Line audio outputs.
- The video wall controller shall have front panel buttons.

## 2. FEATURES

- The video wall controller shall support 6x **displays video wall**
- The video wall controller shall support **quick video wall modes**, including 1x4, 2x2, 3x2, 2x3, 4x1, 1x4 (90°), and 1x3 (60°) (Row x column).
- The video wall controller shall support **standard video wall mode**, in which users can set M (row:  $M \leq 6$ ) x N (column:  $N \leq 6$ )  $\leq 6$  x cascade number video wall layout mode.
- The video wall controller shall support HDMI2.0, **4K@60Hz** 4:4:4 & HDCP2.3.
- The video wall controller shall support HDMI **loopout for cascading** of max. **6 pcs** iWall 206.
- The video wall controller shall support **bezel compensation** for each display.



- The video wall controller shall support **mosaic video wall mode**, in which users can set **any rotation angle** and **any shape** for the video wall.
- The video wall controller shall support 2x HDMI inputs **auto detect & switching**.
- The video wall controller shall support both **landscape and portrait** display installation.
- The video wall controller shall support analog audio **embedding & de-embedding** out. An analog audio output port outputs de-embedded audio from selected input and can set audio **output delay time**.
- The video wall controller shall support HDMI IN/OUT: **PCM 2.0**; AUDIO OUT: **Stereo**.
- The video wall controller shall support control via front panel buttons, RS-232 or TCP/IP (**WEB-GUI**).
- The video wall controller shall support **Web GUI** control.
- The video wall controller shall support **OSD** information includes IP address, HDMI output, and cascading information. In non-cascading mode, the OSD information includes IP address and HDMI output.
- The video wall controller shall support customized **EDID management**.
- The video wall controller shall support **Log** export.
- The video wall controller shall support HDMI 2.0 with 4K@60Hz 4:4:4 8bit, especially **3840 x 600**, **5400x1920** wide-screen resolution.
- The video wall controller shall support **5K EDID**, including 5120x2160@30Hz, 5120x1440@60Hz/30Hz.
- Each of the 6x HDMI OUT ports support an independent **auto scaler** for outputting the best quality video.
- The video wall controller shall support **CEC** to control displays ON/OFF.
- The video wall controller shall support **customized EDID** settings.

### 3. WARRANTY

The video wall controller shall be with at least 3 years warranty.

The video wall controller shall support at least 2 years warranty expansion.