

<b>Products</b>	VIO4K	
<b>Date</b>	JULY 4 <sup>th</sup> , 2016	
<b>Version</b>	1.10.44	Web RCS : 1.10.08

*The version(s) indicated here above has (have) been tested and validated by the Technical Support Department.*

► **Technical Notes:**

Evolutions

- Changing the default colorimetry to RGB 0-255 instead of RGB 16-235 for the following outputs :
  - DVI output
  - HDMI output when used in DVI mode

Bug fixes

- Noise may appear on the audio of SDI inputs
- For input #7, the menu item "Recall view" in page "Pan Zoom" doesn't work.
- In page "CUSTOMIZE/HDCP Manager", disabling the HDCP support for all the inputs doesn't work.
- It is not possible to use an updater file whose size exceeds 100MB.

Known issues

- Web RCS Monitoring :
  - Changing the monitoring format after unplugging the current monitored input may cause an erroneous display once the input is plugged again.
  - The monitored content can't be centered when a crop is applied to a high resolution stream (more than 165Mpixels/s).
  - Depending on the monitoring format, a 480i signal may not be displayed properly.

Missing features

- Import/export of the device configuration
- 6G-SDI support for inputs and outputs (SDI and Optical)



# PREVIOUS VERSIONS



<b>Products</b>	VIO4K	
<b>Date</b>	JUNE 14 <sup>th</sup> , 2016	
<b>Version</b>	1.10.40	Web RCS : 1.10.08

*The version(s) indicated here above has (have) been tested and validated by the Technical Support Department.*

► **Technical Notes:**

Evolutions

None

Bug fixes

- Changing the stream monitored in the Web RCS may cause a failure of the Frame/Snapshot/Monitoring functionalities
- Input cropping modifications are not applied immediately when capturing an input. Once the unit has rebooted, the new input cropping are used during the capture.
- When looking at the Screen 1 status in the SUMMARY menu, the status of the slot 1 in the frame library is duplicated several times with a wrong display size (0x0).
- The unit may become unusable if the size of the AOI is too close to 0.

Known issues

- Web RCS Monitoring :
  - Changing the monitoring format after unplugging the current monitored input may cause an erroneous display once the input is plugged again.
  - The monitored content can't be centered when a crop is applied to a high resolution stream (more than 165Mpixels/s)
  - Depending on the monitoring format, a 480i signal may not be displayed properly.

Missing features

- Import/export of the device configuration
- 6G-SDI support for inputs and outputs (SDI and Optical)



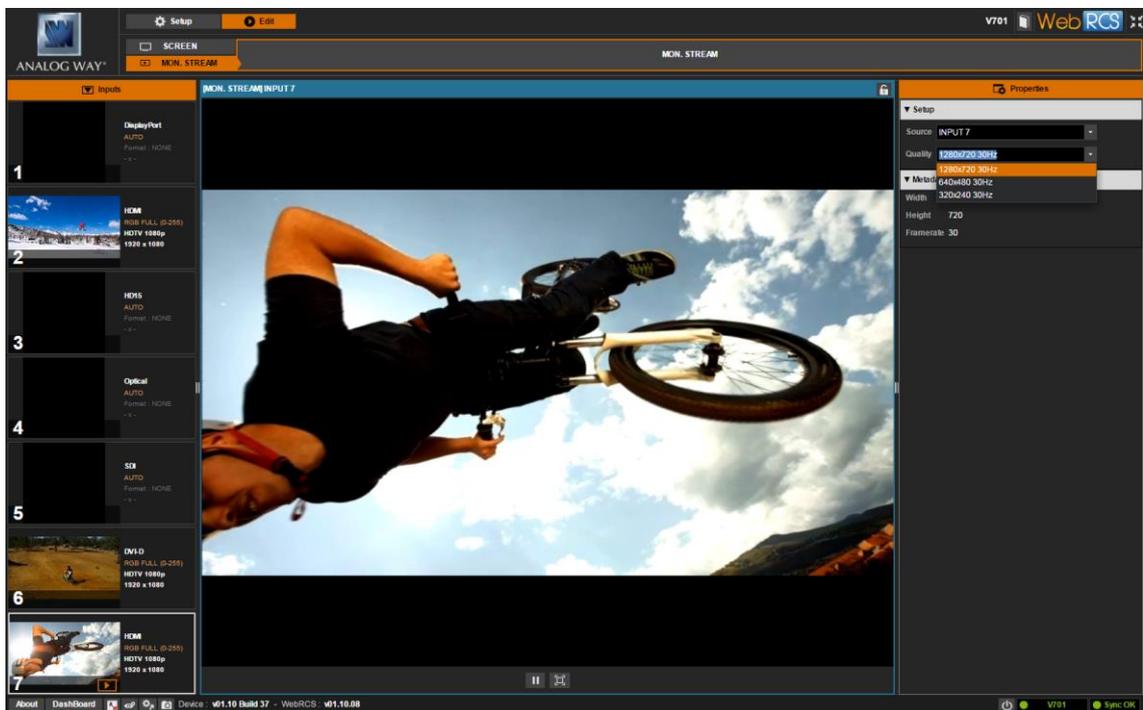
<b>Products</b>	VIO4K	
<b>Date</b>	MAY 18th, 2016	
<b>Version</b>	1.10.37	Web RCS : 1.10.08

The version(s) indicated here above has (have) been tested and validated by the Technical Support Department.

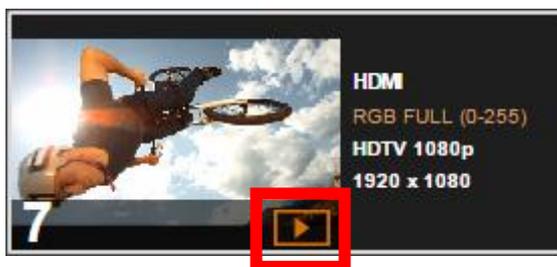
► **Technical Notes:**

Evolutions

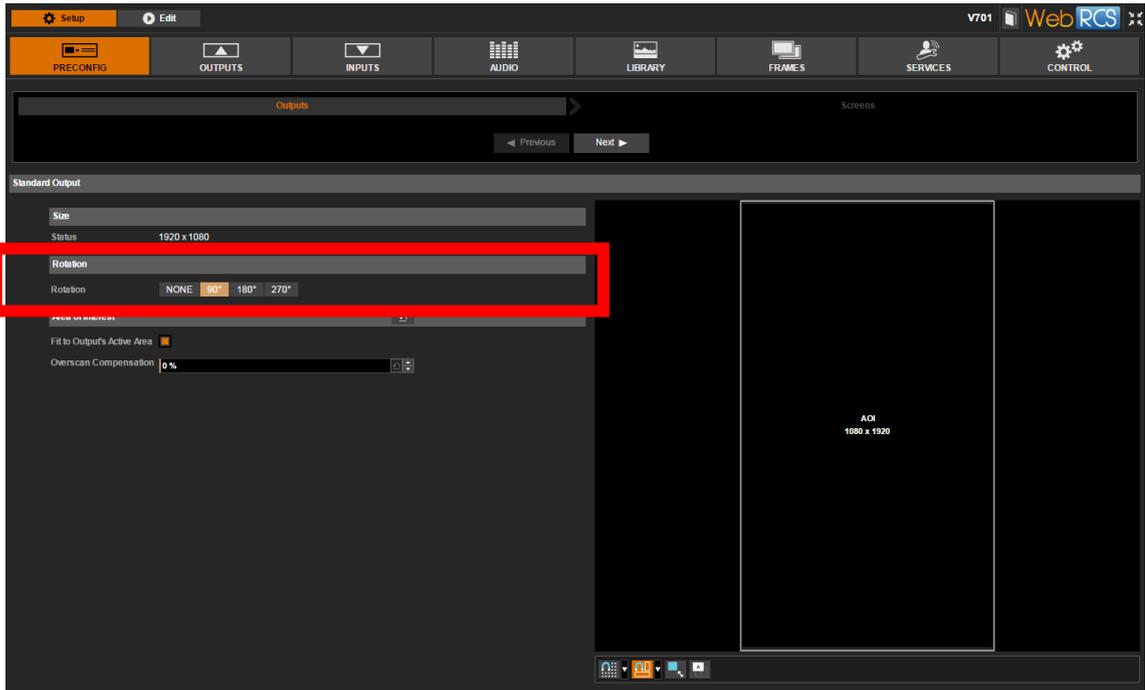
- Add **Monitoring functionality for Inputs and Outputs** to the Web RCS. In the “Edit” tab, select “MON. STREAM” section. Then select a source to monitor: it can be either an input or an output. Finally select the monitoring quality: 320x240@30Hz, 640x480@30Hz or 1280x720@30Hz. Please note that only non-HDCP sources can be monitored.



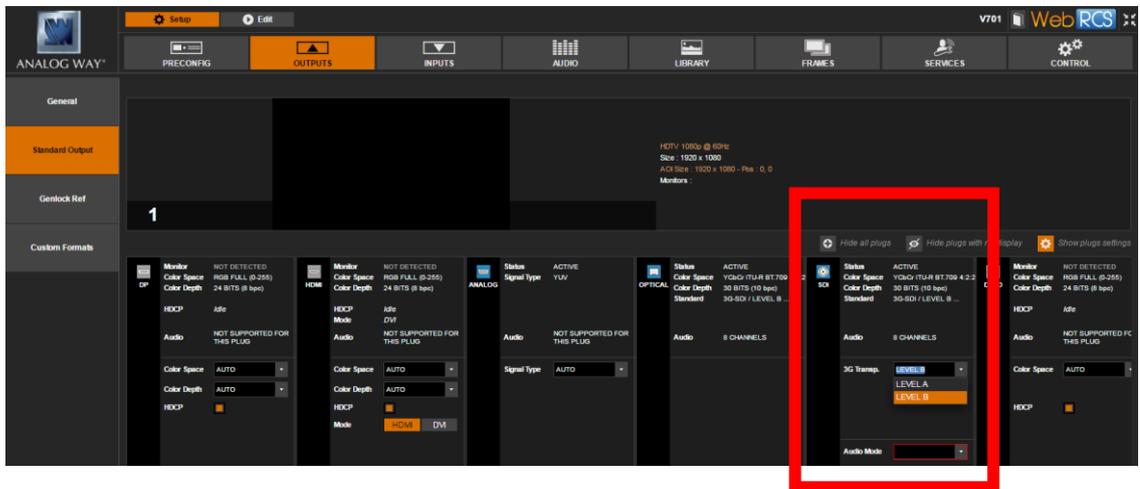
In the left panel containing the input status and snapshots, a small icon indicated that an input is currently being monitored.



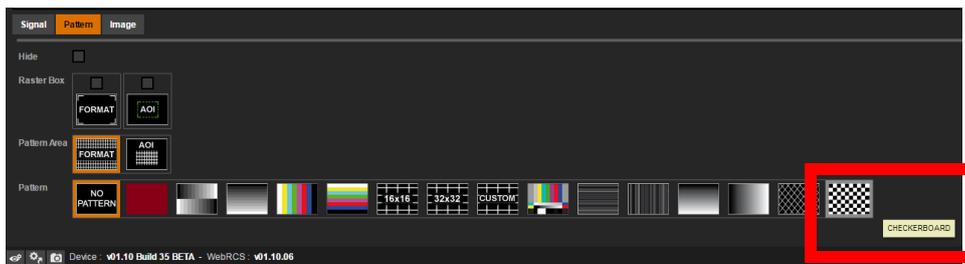
- **Rotation** support for outputs and Frames. In the “Setup” tab, the output content can be rotated by 90° steps.



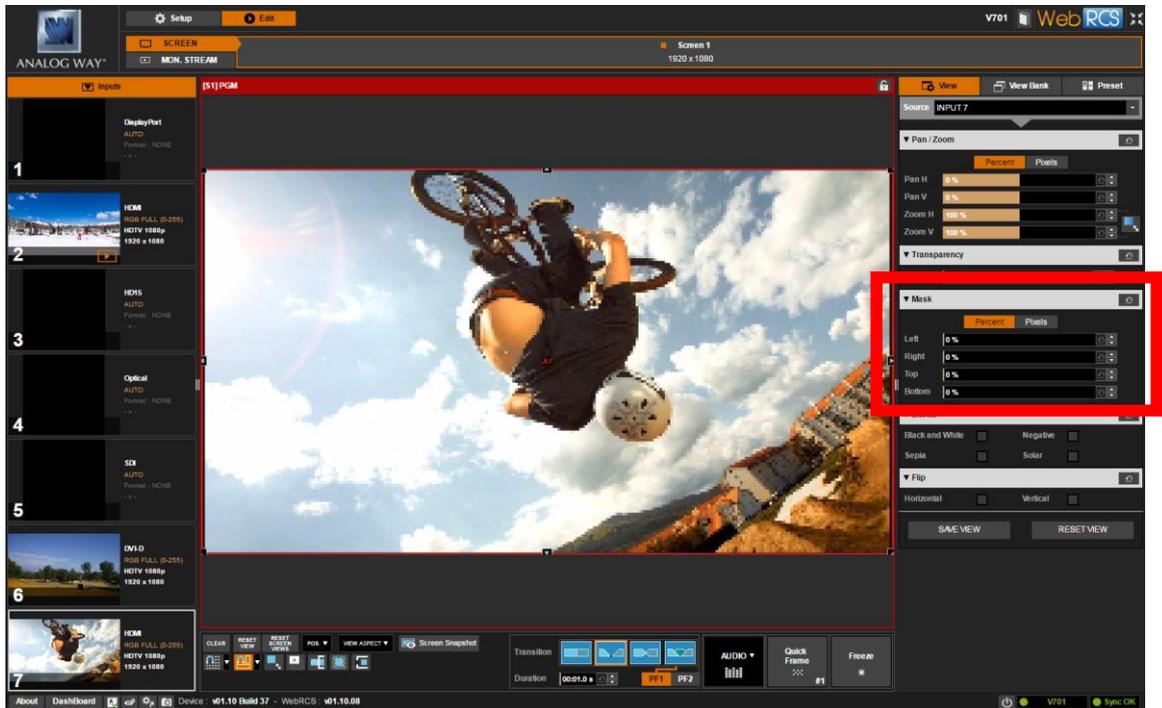
- Implementation of **3G-SDI Level B** for SDI and optical output plugs. In the “Setup” tab, this settings can be found in the plug settings of the output



- Add **Checkerboard** test pattern. To use this new pattern, the “Pattern menu” of the selected output.



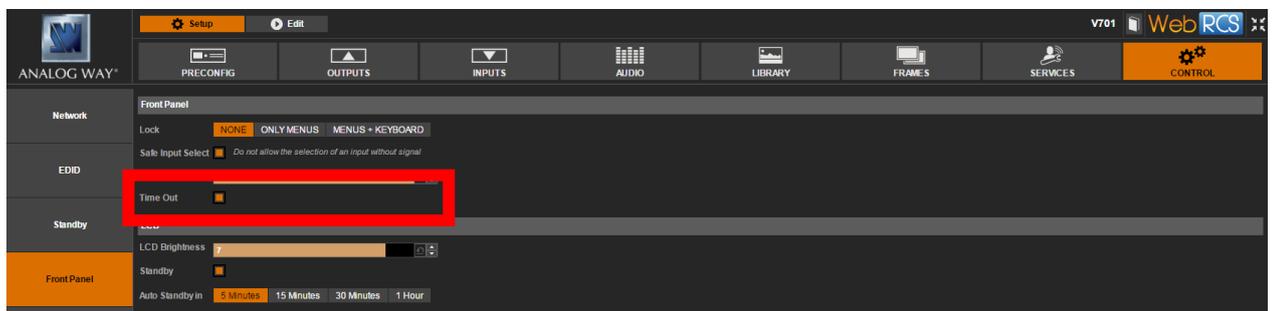
- **By default, the Low Latency mode of the deinterlacer is enabled.** By default, the deinterlacing process used for interlaced input signals doesn't add any extra frame delay. When disabling the low latency mode, the deinterlacer algorithm changes and improves the image quality but adds one extra-frame latency.
- Add Mask parameters to "View" settings to allow an individual crop for each outputs



- Add the possibility to capture inputs and outputs



- Add a user menu to disable or not front panel menu timeout



Bug fixes

- In the WebRCS, some text entry boxes accept 32 characters instead of 31. The 32<sup>nd</sup> character is reserved for the end of string character.
- The status of 3G-SDI level B embedded audio remains invalid even if the audio was de-embedded properly.
- The overall latency is 2 frames instead of 1 when the reference is a SDI or optical input.
- For the Custom grid, when the thickness is set to 1 pixel, the horizontal inner lines had a thickness of 2 pixels
- Format with a pixel rate lower than 165Mhz and an active width greater than 2048 pixels are not displayed properly in the front panel monitoring and in the snapshots of the Web RCS
- In the CEA-861-F extension of HDMI EDID, the Vendor specific block is not extracted properly. Therefore, the capabilities of the output peripheral are not correctly handled.
- There is no audio on the SDI/OPTICAL output plugs when the output format is SDTV (PAL/NTSC)
- When the EDID change on the DisplayPort input, there is no notification to the source to indicate it (hot plug)
- The Monitoring may crash if the stream size is very small (1 or 2 lines only)
- When monitoring an input on the Web RCS, the cropping modifications may not be applied to the monitoring content (the input is displayed properly on the output).
- Even if the EDID of a display connected to the HD15 output plug is extracted properly, the EDID monitor detection remains false.
- The 480i format is not detected properly by the SDI or OPTICAL inputs.
- The Auto-detection of a Y/C analog source doesn't work.
- Cropping high resolution content too much may cause a failure of the monitoring feature
- Minor menu label corrections

Known issues

- Web RCS Monitoring :
  - Changing the monitoring format after unplugging the current monitored input may cause an erroneous display once the input is plugged again.
  - The monitored content can't be centered when a crop is applied to a high resolution stream (more than 165Mpixels/s)
  - Depending on the monitoring format, a 480i signal may not be displayed properly.
- Input cropping modifications are not applied immediately when capturing an input. Once the unit has rebooted, the new input cropping are used during the capture.

Missing features

- Import/export of the device configuration
- 6G-SDI support for inputs and outputs (SDI and Optical)



<b>Products</b>	VIO4K	
<b>Date</b>	MARCH 21st, 2016	
<b>Version</b>	1.00.32	Web RCS : 1.00.19

*The version(s) indicated here above has (have) been tested and validated by the Technical Support Department.*

► **Technical Notes:**

Evolutions

- Add the audio support for 3G-SDI level B.
- The custom formats can be selected as the EDID preferred format on each input EDID.
- Add the "Projector 1200p" format both on outputs and inputs.
- When an unknown format is detected, the format name is set to the detected active size instead of "UNKNOWN".
- New strategy for Temperature/Cooling management.
- In the Web RCS, add an individual reset for each input EDID.

Bug fixes

- When the "motion" feature is enabled for the Grid 16x16 test pattern, the first line and the first column regularly flash.
- When frame-locking or genlocking from an interlaced signal, the output signal is not always synchronized with the same field.
- When frame-locking from a SDI or optical interlaced signal, the output content is not displayed properly on the DVI and DisplayPort content.
- Formats with an active line length greater than 2048 pixels and a pixel frequency lower than 165Mpixels/s are not functional on outputs plugs (exception of DisplayPort)
- In the Web RCS, TIFF and ICO picture formats should not be supported.
- When several picture files are uploaded from WebRCS and an invalid file is encountered, the following valid pictures are not imported.
- In Genlock mode, changing reference format can lock the output format configuration.
- Analog computer Black and White signals are not detected properly on the HD15 input#3 when selecting the "Computer B&W" input signal type (only RGsB is working causing wrong color display).
- The DisplayPort EDID extension data are corrupted, so the device doesn't output any audio in auto mode (because the audio capabilities are stored in the EDID extension).
- By default, no audio is delivered from SDI/OPTICAL outputs: the operator has to force the 8 channel mode.
- It is not possible to pre-load a 4096x2160 (whatever the rate is) format in order to create a custom format.
- The NTSC format active size has been corrected (set to 486 lines instead of 487 previously)
- On the DVI-D input #5, the content is shifted to the right when the format pixel frequency is greater than 165 MPixels/s in HDMI mode (not in Dual Link DVI-D mode)
- A bad pixel column is displayed in the middle of input contents whose line width is odd (1365x1024 for example).
- 2560x1080 and 1680x720 Formats are detected as unknown formats.
- SDTV formats (480i, 576i) are not functional on the DisplayPort output plug.

Known issues

- The Comma character can't be included in the pathname of a frame file.
- The HDCP link doesn't work with Dual-Link DVI-D outputs.
- In the Web RCS, some labels should accept only 31 characters instead of 32, to handle the "end of string" character.
- For the 3G-SDI level B input signal, the audio is properly extracted but the status is indicated as invalid.
- In the custom grid test pattern, the horizontal lines have a thickness of 2 pixels when the setting is set to 1 pixel.
- The device name label may be lost after a reboot.



- In the Web RCS, when enabling the “keep aspect ratio” mode, setting the Zoom H/V to zero causes abnormal behavior.
- When the SDI or Optical inputs are used as reference for the output rate, the latency can reach up to 2 frames instead of 1.

#### Missing features

- Output rotations
- Import/export of the device configuration
- Web RCS Monitoring of non-HDCP contents(inputs and outputs)
- 6G-SDI support for inputs and outputs (SDI and Optical)
- 3G-SDI level B support for outputs (SDI and Optical)



<b>Products</b>	VIO4K	
<b>Date</b>	FEBRUARY 5 <sup>th</sup> , 2016	
<b>Version</b>	1.00.25	Web RCS : 1.00.15

*The version(s) indicated here above has (have) been tested and validated by the Technical Support Department.*

► **Technical Notes:**

- Initial version

