ARCHITECTURAL SPECIFICATIONS
CORIOview multi-window processor
(HDCP compliant - HDMI, DVI, VGA, Component, Composite, S-Video, SD-SDI, HD-SDI, 3GSDI, HDBaseT, streaming RTSP and file playback. RS232, RJ45 Control, Output Video Scaling multi-window Processor)

DESIGN
1. Multi Window Processor shall include a 5-year warranty. Multi Window Processors that do not include a 5-year warranty shall not be accepted.
2. Multi-window Processor must have preset layouts that are triggered dynamically when an input is connected. Multi Window Processors that do not have preset layouts that are triggered dynamically when an input is connected shall not be accepted.
3. Multi-window Processor must have two distinct operational modes, Classic mode and Dynamic mode. Multi Window Processors that do not have two distinct operational modes, Classic mode and Dynamic mode shall not be accepted.
4. Multi-window Processor Must support cross conversion of the following signals: DVI, HDMI, VGA, Component, Composite, YC, SD-HDI, HD-SDI, 3G-SDI, HDBaseT.
5. Multi-window Processor Must support up/down conversion of the following signals: DVI, HDMI, VGA, Component, Composite, YC, SD-HDI, HD-SDI, 3G-SDI, HDBaseT. Multi Window Processors that do not support up/down conversion of the following signals: DVI, HDMI, VGA, Component, Composite, YC, SD-HDI, HD-SDI, 3G-SDI, HDBaseT shall not be accepted.
6. Multi-window Processor Must support scaling on all outputs. Multi Window Processors that do not support scaling on all outputs shall not be accepted.
7. Multi-window Processor Must allow less than 2 frames of delay. Multi Window Processors that do not allow less than 2 frames of delay shall not be accepted.
8. Multi-window Processor Must be a modular based system allowing for multiple input/output configurations. Multi Window Processors that do not allow for modular configurations of I/O ports shall not be accepted.
9. Multi-window Processor Must be able to support 8, simultaneous, video channels per wall, with up to 600 million pixels per second. Multi Window Processors that do not support 8, simultaneous, video channels per wall, with up to 600 million pixels per second shall not be accepted.
10. Multi-window Processor Must be FPGA based, allowing for FW upgrades to new functionality and features. Multi Window Processors that are not FPGA based, allowing for FW upgrades to new functionality and features shall not be accepted.
11. Multi-window Processor Must be HDCP compliant. Multi Window Processors that are not HDCP compliant shall not be accepted.
12. Multi-window Processor Must have a classic mode with 16 presets. Multi Window Processors that do not have a classic mode with 16 presets shall not be accepted.
13. Multi-window Processor Must provide preset-driven transitions. Multi Window Processors that do not provide preset-driven transitions shall not be accepted.
14. Multi-window Processor Must support 4K60 video sources. Multi Window Processors that do not support 4K60 video sources shall not be accepted.
15. Multi-window Processor Must support 4K30 outputs. Multi Window Processors that do not support 4K30 outputs shall not be accepted.
16. Multi-window Processor Must support Streaming video using RSTP over TCP/UDP and MPEGTS. Multi Window Processors that do not support Streaming video using RSTP over TCP/UDP and MPEGTS shall not be accepted.
17. Multi-window Processor Must support dual, simultaneous streaming video up to 1080p @ 60fps in one slot. Multi Window Processors that do not support dual, simultaneous streaming video up to 1080p @ 60fps in one slot shall not be accepted.

18. Multi-window Processor Must support dual file playback via USB 3.0 as a .mp4, mpeg-4, mov, and AVI. Multi Window Processors that do not support dual file playback via USB 3.0 as a .mp4, mpeg-4, mov, and AVI will not be accepted.

19. Multi-window Processor Must support dual file playback via internal solid-state memory as a .mp4, mpeg-4, mov, and AVI. Multi Window Processors that do not support dual file playback via internal solid-state memory as a .mp4, mpeg-4, mov, and AVI shall not be accepted.

20. Multi-window Processor Must support still image store up to 7680x4320. Multi Window Processors that do not support still image store up to 7680x4320 shall not be accepted.

21. Multi-window Processor Must support control via 3rd party controller. Multi Window Processors that do not support control via 3rd party controller shall not be accepted.

21. Multi-window Processor Must require no more than 60 watts of power. Multi Window Processors that require more than 60W of power shall not be accepted.

22. Multi-window Processor Must support control via RS-232. Multi Window Processors that do not support control via RS-232 shall not be accepted.

23. Multi-window Processor Must support control via TCP/IP Ethernet. Multi Window Processors that do not support control via TCP/IP Ethernet shall not be accepted.

24. Multi-window Processor Shall have integrated front panel for selecting presets, switching video or audio. Multi Window Processors that do not support control via TCP/IP Ethernet shall not be accepted.

25. Multi-window Processor Shall have an integrated front panel for selecting presets, switching video or audio. Multi Window Processors that do not have an integrated front panel for selecting presets, switching video or audio shall not be accepted.

26. Multi-window Processor Must have a front panel button that selects an on-screen menu showing window and source selection. Multi Window Processors that do not have a front panel button that selects an on-screen menu showing window and source selection shall not be accepted.

27. Multi-window Processor in Classic mode must be able to add borders to video windows of selectable width and color. Multi Window Processors that are not in classic mode able to add borders to video windows of selectable width and color shall not be accepted.

28. Multi-window Processor Must have a function to display text within video windows to indicate sources. Multi Window Processors that do not have a function to display text within video windows to indicate sources shall not be accepted.

29. Multi-window processor must support REST API providing multi-user communication to device. Multi-window processors that cannot support REST API providing multi-user communication to device shall not be accepted

30. Multi-window processor must support 90, 180, 270- and 360-degree outputs in classic mode. Video processors that do not support 90, 180, 270- and 360-degree outputs in classic mode will not be accepted.

CORIOview Chassis and Modules

MWP-4D-1Y	CORIOview 4xDVI-U in 1x4K out Multi Window Processor
MWP-4H-1Y	CORIOview 4x1080P HDMI in, 1x4K HDMI out Multi Window Processor
MWP-4Hi-1Y	CORIOview 4x1080P HDMI in, 1xAVIP in, 1x4K HDMI out Multi Window Processor
MWP-4Y-1Y	CORIOview 4x4K HDMI in, 1x4K HDMI out Multi Window Processor

MWP-8GS-1Y	CORIOview 8x3G-SDI in 1x4K HDMI out Multi Window Processor
MWP-8H-1Y	CORIOview 8x1080P HDMI in 1x4K HDMI out Multi Window Processor
MWP-MTO	CORIOview Multi Window Processor (I/O made to order)
CV-3GSDI-2IN-FF	CORIOview 3G SDI 2 input (Factory Fitted)
CV-3GSDI-4IN-FF	CORIOview 3G SDI 4 input (Factory Fitted)
CV-3GSDI-SC-2OUT-FF	CORIOview 3G SDI Single Scaled Output - (Factory Fitted)
CV-DVIU-2IN-FF	CORIOview Input module: Dual 2x DVI-U (DVI, HDMI, RGB/YUV, CV, YC) via DVI-I (Factory Fitted)
CV-AVIP-IN-1USB-1ETH-128-FF	CORIOview 4K Media Streaming Input 128GB SSD (Factory Fitted)
CV-AVIP-IN-1USB-1ETH-FF	CORIOview 4K Media Streaming Input 16GB SSD (Factory Fitted)
CV-DVI-I-SC-2OUT-FF	CORIOview Output Module Single Scaled Output (Factory Fitted)
CV-HDBT-SC-2OUT-1ETH-FF	CORIOview HDBaseT Single Scaled Output (Factory Fitted)
CV-HDMI-4IN-FF	CORIOview HDMI 1080P 4-input (Factory Fitted)
CV-HDMI-4K-2IN-FF	CORIOview HDMI 4K 2-input (Factory Fitted)
CV-HDMI-4K-SC-1OUT-FF	CORIOview HDMI 4K 1-output (Factory Fitted)
CV-HDSDI-4IN-FF	CORIOview Input Module - 4x HD/SD-SDI via BNC (Factory Fitted)
RM-CV-1RU-DUAL	Dual rackmount kit for CORIOview product family
RM-CV-1RU-HANDLES	Rackmount Kit Handles for CORIOview product family
RM-CV-1RU-SINGLE	Single Rackmount Kit for CORIOview product family