



Automatic White Balance IP

IP Version: v1.4.0

Release Notes

FPGA-RN-02055-1.1

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1. Introduction

This document contains the Release Notes for the Automatic White Balance IP. For specific details about the IP, refer to the following:

- [Automatic White Balance IP User Guide \(FPGA-IPUG-02204\)](#)

Automatic White Balance IP v1.4.0

Software	Software Version	Summary of Changes
Lattice Radiant	2025.2	<ul style="list-style-type: none">• Added support for Certus-N2 devices.• Added write strobe signal to AXI4-Lite bus interface.• Updated constraints file.• Minor bug fixes.

Automatic White Balance IP v1.3.0

Software	Software Version	Summary of Changes
Lattice Radiant	2025.1	<ul style="list-style-type: none">• Added support for LFD2NX-9, LFD2NX-28, LFD2NX-25, LFD2NX-35, and LFD2NX-65 devices.• Added support for LFMXO5-35, LFMXO5-35T, LFMXO5-65, and LFMXO5-65T devices.

Automatic White Balance IP Earlier Versions

IP Version	Summary of Changes
1.2.1	<ul style="list-style-type: none">• Removed license strings.• Fixed an issue in proper handling of PPC during vertical blanking period.• Fixed testbench related issues.
1.2.0	<ul style="list-style-type: none">• Fixed issues in bus interface connectivity.• Fixed issues in handling TVALID going LOW during vertical blanking period.• Other minor IP enhancements.
1.1.0	<ul style="list-style-type: none">• Added support for Lattice Avant devices.• Timing improvements and resource utilization optimizations.• Added support for partial resolution.• Added regression support in Verilog testbench.
1.0.0	Initial release.

References

- [Automatic White Balance IP User Guide \(FPGA-IPUG-02204\)](#)
- [CrossLink-NX](#) web page
- [Certus-NX](#) web page
- [Certus-N2](#) web page
- [CertusPro-NX](#) web page
- [MachXO5-NX](#) web page
- [Avant-E](#) web page
- [Avant-G](#) web page
- [Avant-X](#) web page
- [Lattice Propel Design Environment](#) web page
- [Lattice Radiant Software](#) web page
- [Lattice Insights](#) for Lattice Semiconductor training courses and learning plans

Technical Support Assistance

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For frequently asked questions, refer to the Lattice Answer Database at www.latticesemi.com/Support/AnswerDatabase.



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