



# Automatic White Balance IP

IP Version: v1.4.0

## Release Notes

FPGA-RN-02055-1.1

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## Contents

Contents .....	3
1. Introduction .....	4
Automatic White Balance IP v1.4.0 .....	4
Automatic White Balance IP v1.3.0 .....	4
Automatic White Balance IP Earlier Versions .....	4
References .....	5
Technical Support Assistance .....	6

## 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"><li>• Added support for Certus-N2 devices.</li><li>• Added write strobe signal to AXI4-Lite bus interface.</li><li>• Updated constraints file.</li><li>• Minor bug fixes.</li></ul>

### Automatic White Balance IP v1.3.0

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

### Automatic White Balance IP Earlier Versions

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

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