

## Redscan mini Firmware release notes

As of Oct. 08, 2019

Firmware Version	Date of release	Description
1.0.9	19-Feb-16	First production model.
1.3.0	04-Jul-16	Bug fix. Optimized internal parameters for improvement of detection performance
1.3.1	06-Jul-16	Bug fix for the communication to REDSCAN Manager ver. 5 and cannot indicate the detection area properly when switching the detection mode with the REDSCAN Manager. (Optimize the sensitivity for Indoor
1.3.5	30-Aug-16	Change parameters to meet US regulation (UL)
1.4.2	12-Oct-16	Add features for RLS-2020S version. (Outdoor, Indoor High Resolution, Indoor Throw-in mode) Bug fix.
1.4.3	01-Nov-16	Bug fix for activation of relay when the settings is saved with REDSCAN Manager ver. 5. Optimize the detection algorithm.
1.5.0	21-Jun-17	Optimize the internal parameters Adapt to a changing the specifications of communication ver 1.73. 1.) Bug fix for the data transmission for Command 04. 2.) Change response data for Command 05. 3.) Change data transmission timing for Command 06. Bug fix for firmware update by using IE11.
1.5.1	07-Dec-18	Optimized internal parameters for improvement of detection performance
1.6.0	25-May-18	Detection sensitivity can be set maximum 900 sec
2.1.0	21-Sep-18	Can use WEB API to communicate to external devices Supports multiple protocols, HTTP, WebSocket, DHCP, SNMPv1/2c/3, Ws Discovery, DNS. Show the ratio of soiling on the laser window on WEB browser setting menu screen Can activate alarm output relays through WEB browser setting menu Can be assigned multiple relay outputs for alarm, trouble (AR/SO/DQ/TR/TA) and device monitoring (DM) events (for EN standard) Optimization on the specifications of communication
3.0.0	25-Mar-19	Optimized internal parameters & bug fix. Add detection range expansion mode RLS-2020S Add adjustable parameter for the boundary recognition accuracy
3.0.1	12-Sep-19	Corrected the issue for display remaining time when updating