

Black Level Auto Adjust Off

The data except this specification conform to those of IMX273 / IMX287.

Description

The setting which turn off black level auto adjust function by OPB level is described in this document. In case of long exposure and so on, OPB level is offset by leak or any other reason. Because of it, if the adjustment becomes a problem, this setting is introduced for one of the solution.

*The operation of the sensor is not guaranteed at using this setting. Please use this after evaluating and checking enough. Because Black level auto adjust is turned off, the black level shifts from the value of BLKLEVEL setting. So, we recommend to adjust by ISP or something.

Features

- ◆ Black level auto adjust function by OPB level is turned off.

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Register Map

The register map for Black level auto adjust off is shown below. Set this at Standby mode.
Please refer to the product specification for register setup other than those list.

Registers corresponding to Chip ID = 02h in Write mode. (I2C:30**h)

Address	Bit	Register name	Description	Default Value after reset
22h	[7:0]		01: Black level auto adjust On F0: Black level auto adjust Off	01h

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Caution of using Black level auto adjust off

Black level auto adjust doesn't work at changing temperature or leak.

So, Black level shifts from the setting value of BLKLEVEL (CID=04h, Address=54h / 55h). Especially, it is remarkable at high gain.

Please set it properly for use, and use after evaluate and check enough.

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Revision History

Version	Date	Page	Remarks
Rev.0.1	20 – Jan. – 17	–	First Edition
Rev.1.0	6 – Oct. – 17	–	First Edition (Official Version)

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