

**IMX287 Application Note** 

# **Additional Function Of Saturation**

The data except this specification conform to those of IMX287.

### **Description**

The additional function of saturation which sets saturation level wider is described in this document.

#### **Features**

- SHINA DAHENGIJSE ONIN ◆ Additional function of saturation
- ◆ Support mode All pixel scan mode

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### **Register Map**

The register map for Additional function of saturation is shown below. Set this via 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
0Dh	[6]	SAT_CNT	0h: Normal mode 1h: Additional function mode	0h



### **Description of Additional Function of Saturation**

By using this additional function of saturation, image sensor characteristics are changed as shown below.

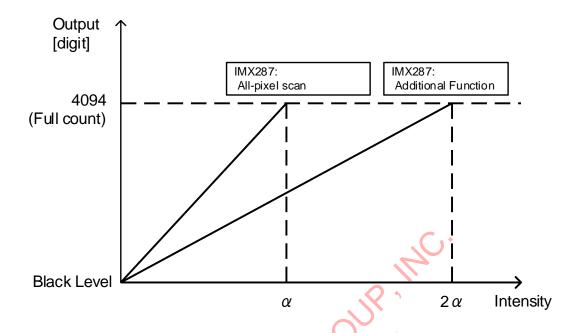


Image of output at Additional Function of Saturation (12bit)

Note) 1 Digit = 0.2445 mV (12bit, Normal mode) becomes 1 Digit = 0.4890 mV (12bit, Additional function mode)

### **Revision History**

Version	Date	Page	Remarks
Rev.0.1	9 – Dec. – 16	ı	First Edition
Rev.0.2	10 – Feb. – 17	1	Add: Preliminary
		4	Correction: The value of output of the figure. (full count : 4096=>4094)
Rev.1.0	6 – Oct. – 17	-	First Edition (Official Version)

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