

Title of Change:	AR0130 Register Reference Update
Effective date:	30 Jun 2022
Contact information:	Contact your local onsemi Sales Office or Sonya.Yip@onsemi.com
Type of notification:	This Product Bulletin is for notification purposes only. onsemi will proceed with implementation of this change upon publication of this Product Bulletin.
Change Category:	Technical Documentation
Change Sub-Category(s):	Datasheet/Product Doc change

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
None	None

Description and Purpose:

The AR0130 Register Reference has been updated. These changes do not affect form, fit, or function of the product.

AR0130 Register Reference Changes

1. All HDR registers and register descriptions removed from Tables 3 and 4 . Per the product datasheet, HDR function is not supported in the AR0130 sensor.

The following registers were removed:

Table 3. MANUFACTURER SPECIFIC REGISTER LIST AND DEFAULT VALUES (continued)

(1 = Read-Only, Always 1; 0 = Read-Only, Always 0; d = Programmable; ? = Read-Only, Dynamic)

Register Dec (Hex)	Name	Data Format (Binary)	Default Value Dec (Hex)
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R12412 (R0x307C)	exposure_t2	???? ???? ???? ???? ?	0 (0x0000)
R12416 (R0x3080)	exposure_t3	???? ???? ???? ???? ?	0 (0x0000)
R12418 (R0x3082)	operation_mode_ctrl	0000 0000 00dd dddd	41 (0x0029)
R12420 (R0x3084)	operation_mode_ctrl_cb	0000 0000 00dd dd00	0 (0x0000)

R12676 (R0x3184)	delta_dk_t1	???? ???? ???? ???? ?	0 (0x0000)
R12678 (R0x3186)	delta_dk_t2	???? ???? ???? ???? ?	0 (0x0000)
R12680 (R0x3188)	delta_dk_t3	???? ???? ???? ???? ?	0 (0x0000)
R12682 (R0x318A)	hdr_mc_ctrl1	0000 dddd dddd dddd	4000 (0x0FA0)
R12684 (R0x318C)	hdr_mc_ctrl2	dddd dddd dddd dddd	64 (0x0040)

R12686 (R0x318E)	hdr_mc_ctrl3	dddd 00dd dddd dddd	272 (0x0110)
R12688 (R0x3190)	hdr_mc_ctrl4	dddd dddd dddd dddd	19360 (0x4BA0)
R12690 (R0x3192)	hdr_mc_ctrl5	000d dddd dddd dddd	1024 (0x0400)
R12692 (R0x3194)	hdr_mc_ctrl6	0000 dddd dddd dddd	3000 (0x0BB8)
R12694 (R0x3196)	hdr_mc_ctrl7	0000 dddd dddd dddd	3500 (0x0DAC)
R12696 (R0x3198)	hdr_mc_ctrl8	0000 dddd dddd dddd	4000 (0x0FA0)
R12698 (R0x319A)	hdr_comp_knee1	000? ???? 000? ???? ?	4107 (0x100B)
R12700 (R0x319C)	hdr_comp_knee2	0000 0000 000? ???? ?	20 (0x0014)
R12702 (R0x319E)	hdr_mc_ctrl9	dddd dddd dddd dddd	24704 (0x6080)
R12704 (R0x31A0)	hdr_mc_ctrl10	0000 dddd dddd dddd	2976 (0x0BA0)
R12706 (R0x31A2)	hdr_mc_ctrl11	0000 dddd dddd dddd	3000 (0x0BB8)

R12752 (R0x31D0)	hdr_comp	0000 0000 0000 0ddd	0 (0x0000)
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List of Affected Standard Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

AR0130CSSM00SPCA0-DRBR1

AR0130CSSC00SPCA0-DRBR1

Appendix A: Changed Products

PCN#: PB24838X
Issue Date: Jun 30, 2022

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
AR0130CSSM00SPCA0-DRBR1				