



|             |                                                                                                                                                                                          |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ICX632BKA-A | Super HAD CCD II, 1/3-type, NTSC<br>Effective pixels: 510(H) x 492(V), approx. 250K pixels<br>Unit cell size : 9.60µm(H) x 7.50µm(V)<br>Sensitivity : 3800(mV)<br>Smear ratio : ~115(dB) |
| ICX633BKA-A | Super HAD CCD II, 1/3-type, PAL<br>Effective pixels: 500(H) x 582(V), approx. 290K pixels<br>Unit cell size : 9.80µm(H) x 6.30µm(V)<br>Sensitivity : 3800(mV)<br>Smear ratio : ~115(dB)  |
| ICX404AK-A  | Super HAD CCD, 1/3-type, NTSC<br>Effective pixels: 510(H) x 492(V), approx. 250K pixels<br>Unit cell size : 9.60µm(H) x 7.50µm(V)<br>Sensitivity : 1700(mV)<br>Smear ratio : ~115(dB)    |
| ICX405AK-A  | Super HAD CCD, 1/3-type, PAL<br>Effective pixels: 500(H) x 582(V), approx. 290K pixels<br>Unit cell size : 9.80µm(H) x 6.30µm(V)<br>Sensitivity : 1700(mV)<br>Smear ratio : ~115(dB)     |

**DSP – Effio series**

| Product No. | Specifications                                                                                                                                                                                                                                                                        |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CXD4141GG   | Effio-V DSP, support 760/960H WDR CCD<br>2D/3DNR, Defog, DIS, IR Optimizer, E-zoom<br>Flexible OSD 8 languages<br>(EN,FR,G,ES,POR,CN,RUS,JP)<br>Output: Analog(11-bit D/A converter)/digital(ITU-R BT.656)<br>Package: 8mm x 8mm, LFBGA 97pin                                         |
| CXD4151GG   | Effio-A DSP, support 760/960H CCD<br>2D/3DNR, Defog, DIS, IR Optimizer, E-zoom<br>Flexible OSD 8 languages<br>(EN,FR,G,ES,POR,CN,RUS,JP)<br>Output: Analog(11-bit D/A converter)/digital(ITU-R BT.656)<br>Package: 8mm x 8mm, LFBGA 97pin                                             |
| CXD4143GG   | Effio-E-lite DSP, support 510/760H CCD<br>2DNR, Defog, ATR<br>Flexible OSD 8 languages<br>(EN,FR,G,ES,POR,CN,RUS,JP)<br>Output: Analog(12-bit D/A converter)/digital(ITU-R BT.656)<br>Package: 8mm x 8mm, LFBGA 97pin                                                                 |
| CXD4140AGG  | En Effio-E DSP, support 510/760/960H CCD<br>2DNR, Defog, ATR, RS485<br>Flexible OSD 8 languages<br>(EN,FR,G,ES,POR,CN,RUS,JP)<br>Output: Analog(12-bit D/A converter)/digital(ITU-R BT.656)<br>Package: 8mm x 8mm, LFBGA 97pin                                                        |
| CXD4140BGG  | En Effio-E DSP, support 510/760/960H CCD<br>2DNR, Defog, ATR, RS485<br>Flexible OSD 6 languages<br>(Hindi, Tamil, Turkish, Arabic, Farsi, En)<br>Output: Analog(12-bit D/A converter)/digital(ITU-R BT.656)<br>Package: 8mm x 8mm, LFBGA 97pin                                        |
| CXD4140GG   | Effio-E2 DSP, support 510/760/960H CCD<br>2DNR, ATR<br>Flexible OSD 8 languages (EN,FR,G,ES,POR,CN,RUS,JP)<br>Output: Analog(12-bit D/A converter)/digital(ITU-R BT.656)<br>Package: 8mm x 8mm, LFBGA 97pin                                                                           |
| CXD4129GG   | Effio-P DSP, support 760/960H WDR CCD<br>2D/3DNR, Defog, RS485<br>Flexible OSD 13 languages<br>(FR, G, ES, POR, CN, RUS, JP, Hindi, Tamil,<br>Turkish, Arabic, Farsi, En)<br>Output: Analog(12-bit D/A converter)/digital<br>(ITU-R BT.601/656)<br>Package: 12mm x 12mm, LFBGA 217pin |
| CXD4130GG   | Effio-S DSP, support 760/960H CCD<br>2D/3DNR, Defog, RS485<br>Flexible OSD 13 languages<br>(FR, G, ES, POR, CN, RUS, JP, Hindi, Tamil,<br>Turkish, Arabic, Farsi, En)<br>Output: Analog(12-bit D/A converter)/digital<br>(ITU-R BT.601/656)<br>Package: 12mm x 12mm, LFBGA 217pin     |
| CXD4127GG   | Effio-E DSP, support 510/760/960H CCD<br>2DNR, ATR<br>OSD 8 languages (EN,FR,G,ES,POR,CN,RUS,JP)<br>Output: Analog(12-bit D/A converter)/digital<br>(ITU-R BT.656)<br>Package: 8mm x 8mm, LFBGA 97pin                                                                                 |

**DSP**

| Product No. | Specifications                                                                                                                                                                                                      |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CXD3172AR   | SS-HQ1 DSP, support 510/760H CCD<br>Build in EVR, VD, AE/AWB, Mirror, Blemish Compensation<br>10 bit ADC,Flick less,Privacy Mask<br>Analog/Digital Dual output : Composite/BT656<br>Support External Sync Line Lock |

|           |                                                                                                                                                                               |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CXD4103AR | SS-11X DSP, support 510/760H CCD<br>Build in EVR, AE/AWB, Mirror, Blemish Compensation<br>10 bit ADC,Flick less, Privacy Mask<br>Analog/Digital Dual output : Composite/BT656 |
| CXD3142R  | SS-11RM DSP, support 510H CCD<br>Build in AE/AWB, Mirror, Blemish Compensation<br>9 bit ADC,Flick less                                                                        |

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