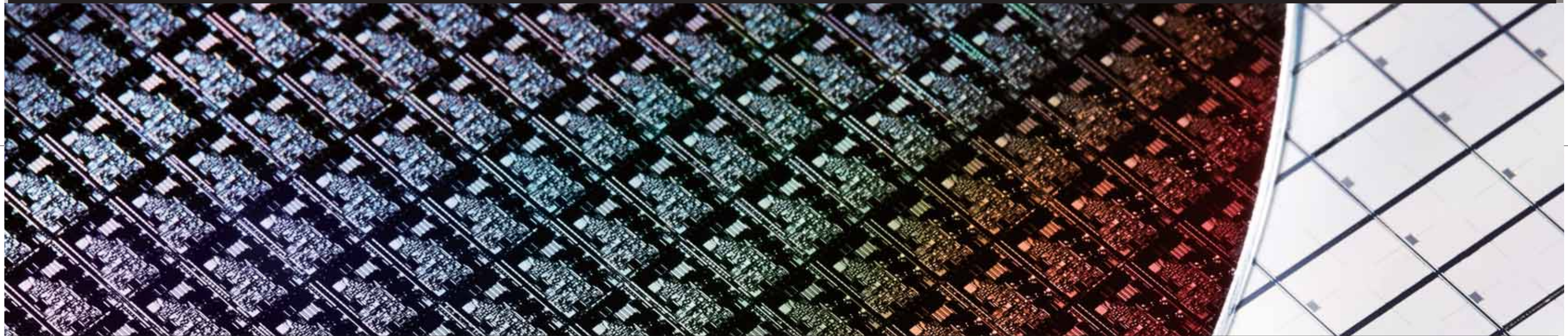




CLAIRPIXEL
Better than Human Eye

Clairpixel Co., Ltd.



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Clairpixel, established in 2007, is a fabless semiconductor company and will be a leader in Security, Automotive and Bio-medical camera fields. We've developed a single chip 120dB WDR (Wide Dynamic Range) CMOS Image Sensor with a patented pixel architecture and a novel synthesis algorithm which does not need external frame buffer memories or back-end DSP.

CLAIRPIXEL SOLUTION

Security : CCTV, IP & Network Camera
 Automotive : Rear View, AVM Camera, Black Box Camera
 Bio-Medical Sensor : Endoscope Camera, Capsule Endoscope Camera
 Special Photo Sensor : Ambient Light TDN Sensor, Ambient Light, Proximity Sensor

WDR CIS - WiDy™

Wide Dynamic Range (WDR) CMOS image sensor technology performs its unique ability to combine both low and high illumination in a singular image without any lost. ClairPixel's WDR image sensor has overcome the pre-existing WDR image sensors' limits and is able to produce a superior image even in various lighting situations.

WDR ON



WDR Off



Car DVR (Black Box)



Rear View



■ **WDR**

CP8208

D1
Output BAYER, YUV, CVBS
 Optical Format 1/3"
 Resolution 720 * 480
 Frame Rate 60fps(@BAYER)
 60fps(@YUV)
 30fps(@CVBS)
 Pixel Size 6.5um x 7.4um

CP8210

HD
Output BAYER, YUV
 Optical Format 1/3"
 Resolution 1280 * 720
 Frame Rate 60fps(@BAYER)
 30fps(@YUV)
 Pixel Size 4.0um x 4.0um

CP8320

FHD
Output BAYER, YUV, Analog HD
 Optical Format 1/3"
 Resolution 1920 * 1080
 Frame Rate 30fps(@BAYER)
 30fps(@YUV)
 Pixel Size 3.0um x 3.0um
OSD(On Screen Display)

■ **Analog-HD**

X10

HD
Output Analog HD
 Optical Format 1/3"
 Resolution 1280 * 720
 Frame Rate 60fps
 Pixel Size 4.0um x 4.0um
OSD(On Screen Display)

X11

HD
Output Analog HD
 Optical Format 1/4"
 Resolution 1280 * 720
 Frame Rate 60fps
 Pixel Size 3.0um x 3.0um
OSD(On Screen Display)

X20

FHD
Output Analog HD
 Optical Format 1/2.7"
 Resolution 1920 * 1080
 Frame Rate 30fps
 Pixel Size 3.0um x 3.0um
OSD(On Screen Display)

X21

FHD
Output Analog HD
 Optical Format 1/4"
 Resolution 1920 * 1080
 Frame Rate 30fps
 Pixel Size 2.0um x 2.0um
OSD(On Screen Display)

■ **Normal**

CP7308

D1
Output BAYER, YUV, CVBS
 Optical Format 1/4"
 Resolution 720 * 480
 Frame Rate 60fps(@BAYER)
 60fps(@YUV)
 30fps(@CVBS)
 Pixel Size 5.0um x 5.6um
Parking Guide

CP7210

HD
Output BAYER, YUV
 Optical Format 1/4"
 Resolution 1280 * 720
 Frame Rate 60fps(@BAYER)
 60fps(@YUV)
 Pixel Size 3.0um x 3.0um
OSD(On Screen Display)

CP8310

HD
Output BAYER, YUV
 Optical Format 1/3"
 Resolution 1280 * 720
 Frame Rate 60fps(@BAYER)
 60fps(@YUV)
 Pixel Size 4.0um x 4.0um
OSD(On Screen Display)

CP7208M

D1
Output YUV, CVBS
 Optical Format 1/4"
 Resolution 720 * 480
 Frame Rate 60fps(@BAYER)
 30fps(@YUV)
 Pixel Size 5.0um x 5.6um
OSD(On Screen Display)
LDC(Lens Distortion)
PAS(Parking Assist System)

CP7220

FHD
Output BAYER, YUV
 Optical Format 1/4"
 Resolution 1920 * 1080
 Frame Rate 30fps(@BAYER)
 30fps(@YUV)
 Pixel Size 2.0um x 2.0um
OSD(On Screen Display)

CP8120

FHD
Output BAYER, YUV
 Optical Format 1/2.7"
 Resolution 1920 * 1080
 Frame Rate 30fps
 Pixel Size 3.0um x 3.0um
OSD(On Screen Display)

■ **Sensor only**

CP8020

FHD
Output Raw Bayer
 Optical Format 1/2.7"
 Resolution 1920 * 1080
 Frame Rate 30fps
 Pixel Size 3.0um x 3.0um

CP8180

WQHD
Output MIPI D-phy 4Lane
 Optical Format 1/3"
 Resolution 2560 * 1440
 Frame Rate 30fps
 Pixel Size 2.0um x 2.0um

