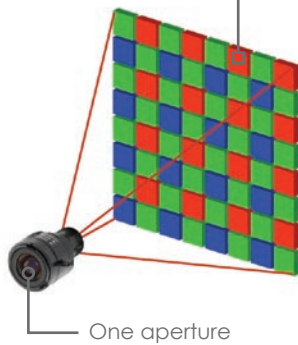


WIN WITH PIXIM'S DIGITAL PIXEL SYSTEM® TECHNOLOGY

GET THE COMPLETE PICTURE WITH THE PIXIM® TECHNOLOGY

Pixim's Digital Pixel System® technology revolutionises the way video cameras capture and process images. Unlike traditional cameras, where each pixel cannot adjust to highlights and lowlights in the same scene, Pixim's patented Digital Pixel System® technology empowers hundreds of thousands of pixels to act like constantly self-adjusting individual cameras. This all-digital system enables Pixim®-Powered cameras to efficiently capture the whole picture, regardless of lighting condition or application – thus securing the highest resolution, natural colour and clarity, while automatically eliminating image compromising visual noise (e.g. glare, reflections). The result is more than superb image quality; it is accurate, actionable information that gives users the strength of certainty.

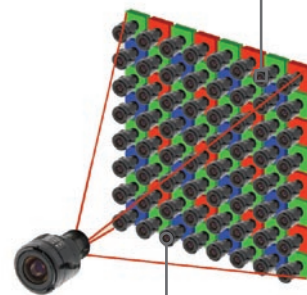
All pixels in the array have the exact same shutter speed



Standard CCD Camera

- Every pixel in a CCD camera receives exactly the same exposure.
- Result:
Bright areas are overexposed.
Dark areas are underexposed.

Pixels in bright areas automatically adjust to eliminate overexposure



**DIGITAL
PIXEL
SYSTEM**
FROM PIXIM

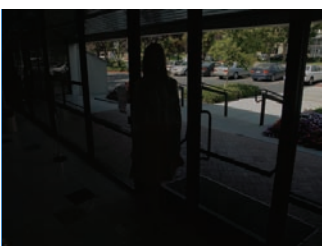
Pixels in dark areas automatically adjust to eliminate underexposure

Camera with Pixim® Technology

- Every pixel automatically adjusts to produce an optimal exposure (like a self-adjusting camera).
- Result:
Clear and accurate images in all lighting conditions.

UNPARALLELED IMAGE QUALITY ACROSS ALL LIGHTING CONDITIONS

Traditional CCD cameras can't see well when lighting conditions aren't optimal. These cameras experience a lack of details in high contrast and backlit situations, low clarity in shadows, and image "washout" from glare or reflections. Pixim®-Powered cameras are not foiled by changes in lighting, making them ideal for any application.



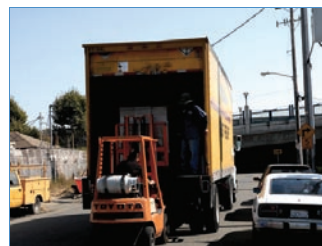
CCD

Loss of Detail in Underexposed Areas



Pixim®

Indoor and Outdoor Detail Clearly Visible



CCD

Loss of detail in truck



Pixim®

Indoor and Outdoor Detail is visible

WIN WITH PIXIM'S DIGITAL PIXEL SYSTEM® TECHNOLOGY

DELIVERING NATURAL COLOUR AND HIGH RESOLUTION

Pixim®-Powered cameras capture evidentiary-quality images of sufficient detail and accuracy to prosecute wrong-doers. Not only do Pixim®-Powered cameras deliver the highest total resolution (horizontal x vertical), but they provide superior colour rendering and the optimal exposure in all lighting conditions.



CCD

Pixel saturation and unnatural colour



Pixim®

Accurate white balance and natural colour



CCD

Loss of details in bright and dark areas



Pixim®

Superior image quality despite harsh lighting

ELIMINATION OF IMAGE-COMPROMISING NOISE

CCD cameras frequently experience pixel blooming, vertical smearing and camera blindness – often known as noise. Noise not only compromises image quality, but it gobbles up valuable recording space. Analogue CCD cameras inherently add sampling and conversion noise that increases DVR storage needs by 2x-4x, depending on the scene. The Pixim® all-digital technology automatically eliminates image-compromising noise and glare to ensure the images are always clear. It also minimises noise that can go undetected, such as random noise, speckles and edge jitter. By eliminating the noise, the Pixim® Technology delivers superior image quality over traditional cameras and maximises DVR storage, creating significant system savings.



CCD

Vertical smear and pixel blooming



Pixim®

No camera blindness

Products Available With Pixim® Technology



MD4 Series



VDP20 Series



VDM15 Series



D150HF Series



D410 Series



WDRE29 Series



CH Series