

## Benefits of XDNR Technology (eXcellent Dynamic Noise Reduction)

XDNR™ is Sony's latest technology for noise reduction in IP security cameras. XDNR technology utilizes 2-dimensional (2D) and 3-dimensional (3D) noise reduction methods adaptively to scenes. Under low-light conditions, XDNR technology provides clear images for both moving objects and still portions of the image, using 2D noise reduction and 3D noise reduction.

This method provides clear images while minimizing motion blur, which is a challenge in many outdoor surveillance monitoring applications, such as night surveillance in parking lots.

XDNR technology provides clear images for monitoring in the following applications and locations:



(Actual images)

### XDNR technology is ideal for these challenging applications



Outdoor night surveillance of parking lots



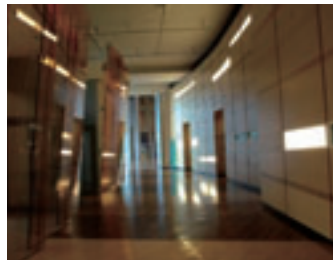
Night surveillance of roads and highways



Night surveillance of towns and cities



Warehouses



School hallways and walkways



Dimly lit offices

### Image without any noise reduction technology

Under low-light conditions, the image has a lot of noise.

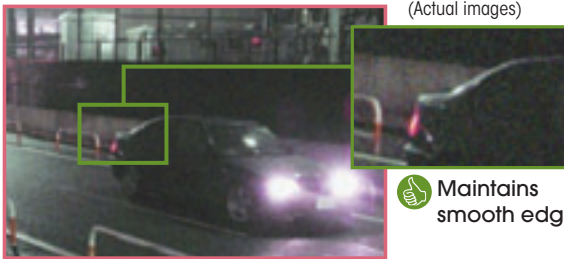


Very noisy

(Actual image)

### Image with 2-dimensional (2D) noise reduction

2D noise reduction technology reduces noise on the image by maintaining smooth edges on moving objects. However, the noise reduction effect is limited.



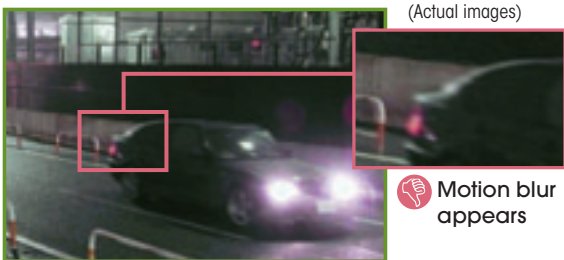
(Actual images)

Maintains smooth edges

Noise reduction effect is limited

### Image with 3-dimensional (3D) noise reduction

3D noise reduction technology can drastically reduce noise on the image, but moving objects appear with motion blur.



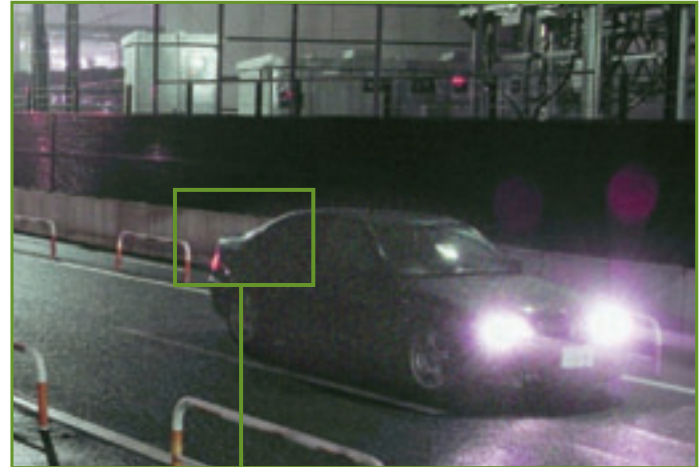
(Actual images)

Motion blur appears

Drastically reduces noise

### Image with XDNR technology

Utilizing 2D and 3D noise reduction methods adaptively to scenes, XDNR technology provides clear images while minimizing motion blur.



Drastically reduces noise

Maintains smooth edges

(Actual images)

(Simulated images)

Models with XDNR technology: SNC-RS44N/P, SNC-RS46N/PSNC-RS84N/P, SNC-RS86N/P, SNC-RH124, SNC-RH164, SNC-CH140, SNC-DH140, SNC-DH140T, SNC-CH180, SNC-DH180, SNC-CH240, SNC-DH240, SNC-DH240T, SNC-CH280, SNC-DH280, SNT-EX101, SNT-EX101E, SNT-EX104, SNT-EP104, SNT-EX154, SNT-EP154

This information is as of March 2010. The Models with these features may be added without notice. Please contact your nearest Sony office or authorized dealer for the latest information.

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