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# Surveon New 2 MP Camera Series Introduction

Application Notes



Technical Support Team

Surveon's latest 2 megapixel professional cameras, built-in with the new image processing engine and the superior features such as PTZ, IP67, and IK10, deliver excellent image quality in both indoor and outdoor applications. The industrial-grade components and other advanced functions including auto WDR, H.264 high profile, ROI video cropping, and enhanced 2D/3D noise reduction, the new cameras offer good choices for professional applications such as retail, restaurant, SMB, school, and intelligent building for the megapixel surveillance trend in the mainstream markets.

**New Professional 2MP Cameras:** CAM2311SC, CAM4311S2, CAM4321LV, CAM4351R2, CAM4361LV, CAM5321S4, CAM5330SZ.

### **New features:**

#### **1. Sony Exmor 2M sensor, Low Lux Sensitivity improve**



Conventional



Surveon

#### **2. Smart WDR technology**

Auto detects the lux distributed condition to enable / disable the WDR function automatically.

The setup path: Settings > Video&Audio > Image appearance > Advanced > Exposure > WDR > Mode

Day Profile     Night Profile

Image Adjust    Exposure    Luminance Ctrl    White Balance    Noise Reduction    Edge Enhance    Lens Correction

Frequency: 50Hz

Exposure Mode:  Fixed     Auto

Max Shutter Speed: 1/1

Min Shutter Speed: 1/2000

**WDR:  OFF     DWDR     BLC**

**Mode: Auto**

### Functionality Demonstrations



Disable WDR in auto mode  
 Keep true color

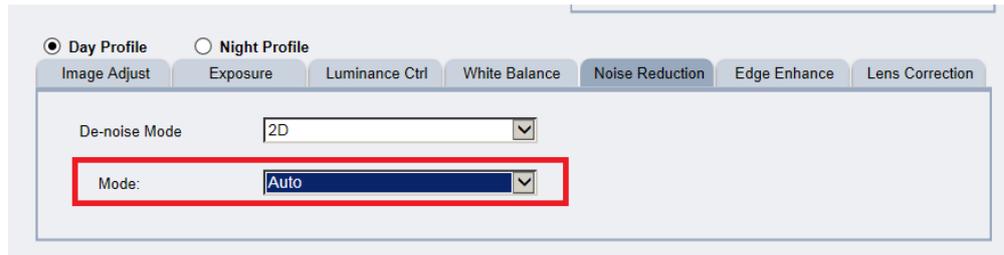
Disable WDR in auto mode  
 Keep the low lux quality

Enable WDR in auto mode  
 Have details even in backlit

### 3. Smart Denoise Technology

Surveon cameras can auto detect the lux level to dynamically adjust the Denoise Value to fit the day / night changes.

The setup path: Settings > Video& Audio> Image appearance > Advanced > Noise Reduction > Mode



Surveon Enable denoise in auto mode

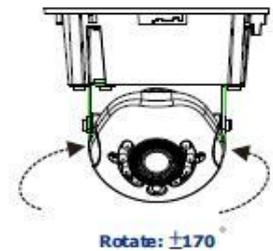
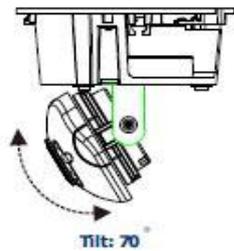


Conventional

### 4. Easy installation, 3 Axis rotation in dome series camera.

(CAM4311S2, CAM4321LV, CAM4351R2, CAM4361LV)

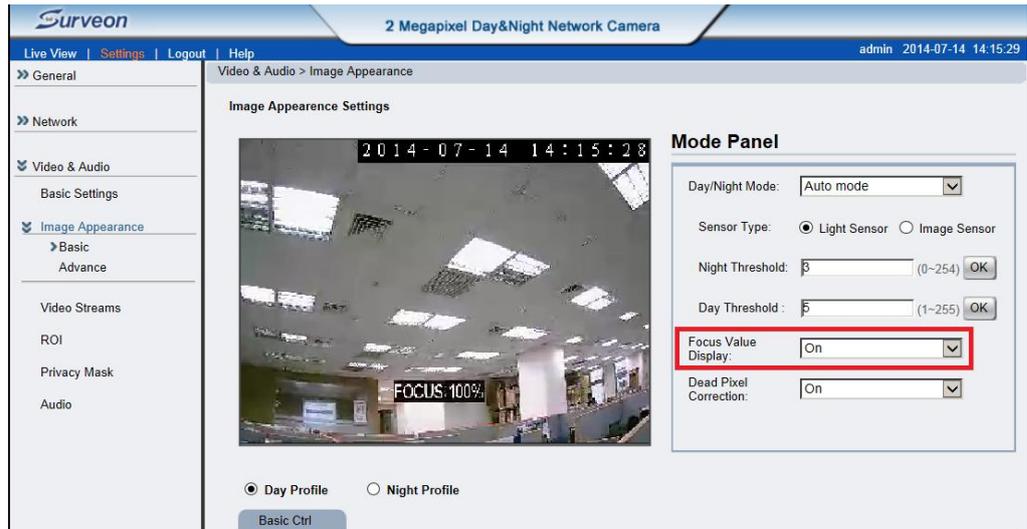
- 3 Axis rotation to fit any angle of view. (Pan 340°, Tilt 70°, Rotate 170°)
- Vari-Focal lens, Build-in IR LED
- Cable in, Compact Size, Easy Mounting



### 5. Focus Assist Value

The Focus Assist Value helps installers to adjust camera focus more easily to fit all kinds of environments.

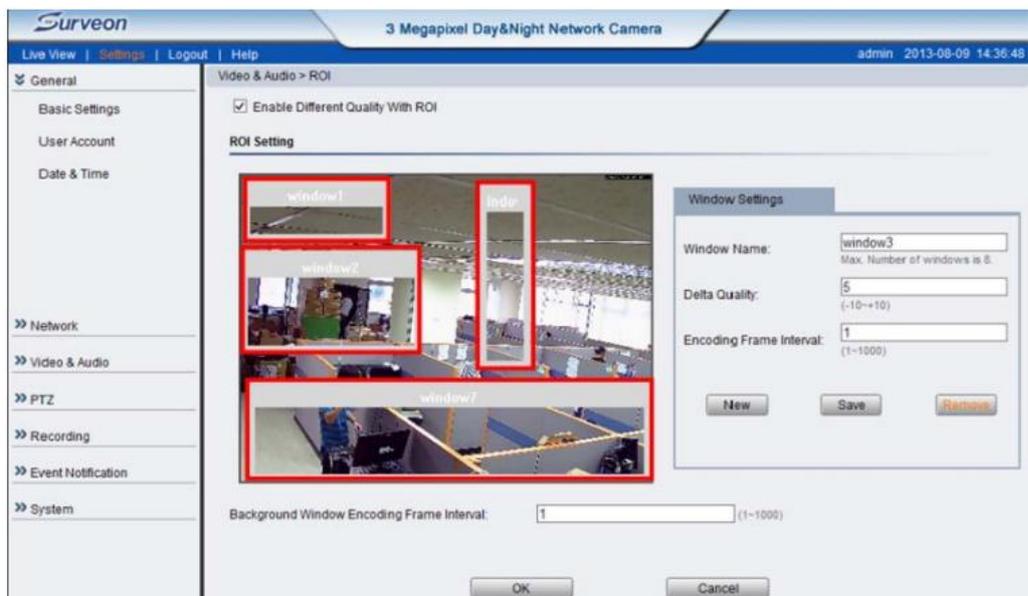
The setup path: Settings > Video& Audio> Image appearance > Basic > Focus Value Display



## 6. ROI encoding

The ROI technology, 8 independent regions in 1 image, means 8 different image qualities can be set in 1 image. Set the less important regions to lower qualities and focus only on the important ones. ROI can be further defined to different qualities and sizes to meet your demands.

The setup path: Settings > Video& Audio> ROI



**Demo video:**

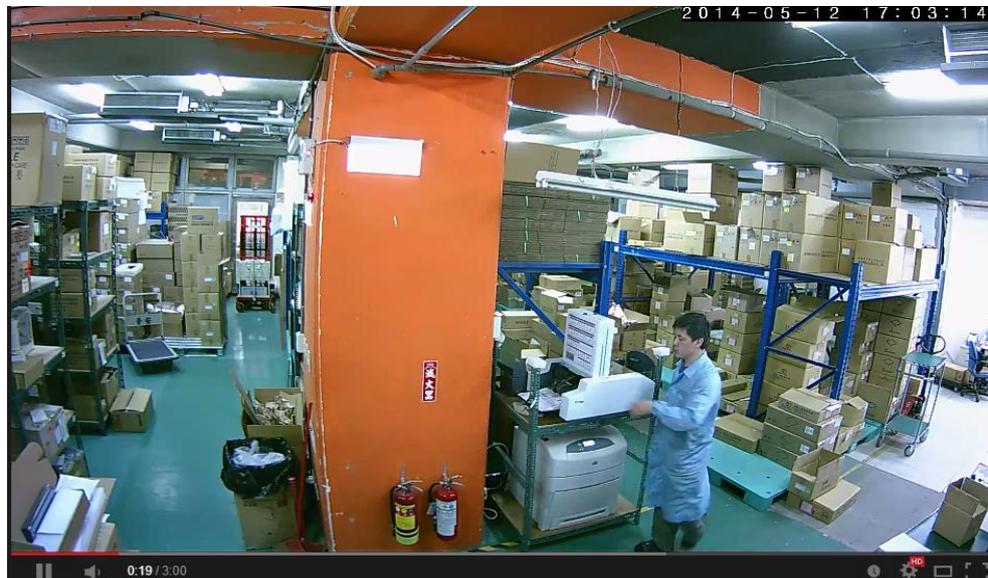
- **Surveon CAM4311S2 2MP Indoor Lab Low light - 10 LUX**

[https://www.youtube.com/watch?v=1r0iw\\_c-GZE](https://www.youtube.com/watch?v=1r0iw_c-GZE)



- **Surveon CAM4311S2 2MP Indoor Warehouse**

[https://www.youtube.com/watch?v=5SHad\\_QBdE8](https://www.youtube.com/watch?v=5SHad_QBdE8)



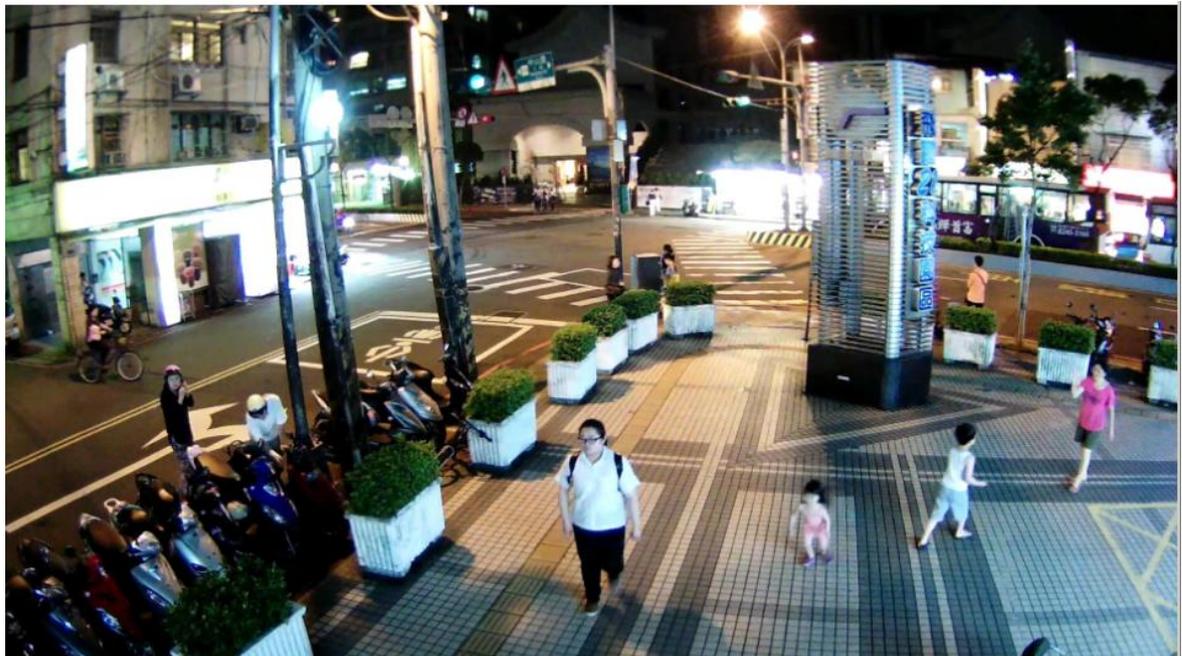
- **Surveon CAM2311SC 2MP Indoor Warehouse**

<https://www.youtube.com/watch?v=Tf7F4Rr717w>



### Comparison snapshot:

Low light Comparison



2MP series cameras from other brands



Surveon CAM4361RV-2

### Night mode comparison



2MP series cameras from other brands



Surveon CAM4361LV-2