WiseNet X PLUS
2MP / 5MP Network Cameras

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Contents

1 Introduction
   Introduction, key specifications, & model lineup

2 Key Features
   Discussion of key features

3 Demo Video

4 Q & A

Notes:
This webinar is being recorded and will be available for replaying. The presentation materials will also be available in PDF format.
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We will take Q&A time permitting. In case there is not time to get to all of the questions, we will reply to you individually afterwards. Please use the Chat or Q&A section.
All participants have been put in to listen only mode.
Unrivaled easy installation with high performance

**wiseNet X PLUS**

- Modular based design
- IP6K9K, IP67, IP66 rated (XNV)
- IP52/IK10 dust proof rated (XND-(F))
- UL2048 Plenum rated (XND-F)
- IK10+ impact rated (XNV)
- Shock detection
- Audio clip playback, built-in mic
- 2.8 ~ 12mm lens (4.3x zoom)

**wiseNet X Core**

- 2MP 60fps/50fps high frame rate
- 5MP 30fps/25fps
- Motorized Varifocal lens
- WDR 150dB(2MP) / 120dB(5MP)
- Various video / Audio analytics
Various products for easy monitoring

### PTRZ
- XNV-6081Z
- XNV-8081Z
- XNV-6081R
- XNV-8081

### IR
- XND-6081VZ
- XND-8081VZ
- XND-8081RV
- XND-8081RF

### NON-IR
- XND-6081FZ
- XND-8081F

### Outdoor
- Tilting ~85°
- Shock detection
- Audio clip playback
- Seamless power transition
- -50°C ~ +60°C
- IP67, IP66, IP6K9K, IK10+
- Plenum (UL2048)

### Indoor
- None
- None
- None
- None
- None

### Flush
- Tilting ~67°
- None
- None
- None
- None
- None
The most convenient way of installation

Outdoor

- Step 1: Mount Plate
- Step 2: Camera Case
- Step 3: Camera Module
- Step 4: Dome Cover

Indoor

- Step 1: Mount Plate
- Step 2: Camera Case
- Step 3: Camera Module
- Step 4: Dome Cover

Flush

- Step 1: Housing in Ceiling
- Step 2: Camera Module
- Step 3: Dome Cover
Vandal Dome

Modular Structure for Easy Installation and Maintenance

- Mounting Plate with conduit entry
- Case Bottom
- Camera Module
- Top Dome Cover with 4 screws for easy logo positioning
- Easy to attach with Magnet
- Hook for Detaching
- AC Power Module For XNV Only
Plenum Flush Mount

Modular Structure for Easy Installation and Maintenance.

Flush mount housing is **plenum-rated** allowing for safe installation inside air-handling ceilings, such as hospitals and offices.
Modular design made for easy installation

Outdoor

Indoor

Flash

Optional

Weather cap
Ivory skin cover

Black skin cover
AC Power Module

Black skin cover

Ivory skin cover
Modular design made for easy installation

Weather cap and skin covers are available in black and ivory, which can help blend in with different surroundings. SPC-100AC can be bought separately in order to use 24V AC.

<table>
<thead>
<tr>
<th>In the box</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weather cap</td>
<td>AC power module</td>
</tr>
<tr>
<td>Ivory skin cover</td>
<td>1PACK(10ea), SPC-100AC</td>
</tr>
<tr>
<td></td>
<td>Black skin cover</td>
</tr>
<tr>
<td></td>
<td>1PACK(3ea), SBC-180B, SBC-160B</td>
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</table>
Hanging Mount Design

Hanging Mount
(White or Ivory)
Extended Tilt Angle ~85°

X Plus camera provides 85° of extended tilt angle enabling great viewing flexibility.
Save time, Save cost!

- **Save Time**: Cutout for pre-configuration.
- **Save Cost**: No need for template using plate.
- **Reduce Step**: No need for re-crimping using flexible bush.
- **Easy Install**: 4 point screw top cover
Save time for your network configuration
With X PLUS’s installer-friendly package design, users can save network configuration time by directly connecting the camera through the hole in the camera box.

Step1. Open the box

Step2. Just plug in RJ45
Save time, Save cost!

Easy installation with Flexible bush.
Via flexible bush, installers can easily set RJ45 cable and no longer need to re-crimp.

Difficult and Time consuming

Simple and Easy

※ While using flexible bush, XNV models are IP66, XND models are IP52 certified.
Endurable under harsh environment with Gore Valve

Gore valve provides durable protection against water, salts and corrosive liquids even after immersion. It creates perfect condition to operate and increases mechanical stability.
Audio clip playback

Users can upload audio clips in the camera’s internal memory, and playback when an event occurs through the connected speaker.

※ Total of 5 audio clip files can be uploaded. Each file should be less than 3MB.
Shock Detection

The Wisenet X Plus cameras can detect an impact, triggering an event. This can inform an operator if someone attempts to vandalize the camera due to physical impact. Shock is detected by the built-in gyro sensor, which also provides stable video in shaking conditions, such as wind.
Enhanced Specifications

- Enhanced Environmental Resistance for Outdoor Vandal Model

IP67, IP66, IP6K9K

IK10+
Wisenet X Performance

- Unrivaled Image Quality

**WDR 150dB**

<table>
<thead>
<tr>
<th>WDR ON</th>
<th>WDR OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>JM</td>
<td>30fps 150dB</td>
</tr>
<tr>
<td>SM</td>
<td>30fps 120dB</td>
</tr>
</tbody>
</table>

- Back Light Scene
- 2 Frame Composite
- Conventional
- 4 Frame Composite

**Exceptional Low-Light Performance**

- Sensor: 1/2.9” vs 1/2”
- Min Illumination: 0.01 lux vs 0.005 lux

**WiseStream II**

- WiseStream II OFF: 7160kbps
- WiseStream II ON: 82.34kbps

**DIS with Gyro Sensor**

- Situation:
  - Wobble Object: Try to correction - False operation
  - Moving Large Object: Try to correction - False operation
  - Camera Shaking: Correction

- Observation vs Correction
- DIS OFF vs DIS ON
- Built-In License-Free Intelligent Video Analytics

**Direction Detection**
- Up to 8 lines that can be pre-programmed with 1 way or 2 way
- One line can be broken into 8 angles for flexibility

**Intrusion Detection**
- Up to 8 intrusion detection boxes
- One box can be broken into 8 corners for flexibility
- Any motion within the assigned box or entering the box will trigger the intrusion detection alarm
- You can assign motion detection boxes and intrusion detection boxes separately

**Enter/Exit Area**
- Up to 8 enter/exit area
- One box can be broken into 8 corners for flexibility
- Only motion entering or exiting the box will trigger an alarm, not motion inside the box
Video Analytics

• Built-In License-Free Intelligent Video Analytics

Loitering (Time)

- Up to 8 loitering detection boxes
- One box can have up to 8 vertices for flexibility
- Any motion within the assigned box starts the timer and if the timer ended before the motion exit the box then it will trigger an alarm

Appear/Disappear (Time)

- Up to 8 enter/exit detection boxes
- One box can have up to 8 vertices for flexibility
- Any static object that appeared/disappeared from the original will start the timer and if the timer ended and the object didn’t show up or moved then the camera will trigger an alarm
Video Analytics

- Built-In License-Free Intelligent Video Analytics

**Face Detection**
- Detect up to 35 human faces at a time

**Defocus Detection**
- Defocus detection event
- Can trigger simple focus automatically if selected

**Fog Detection**
- Fog detection event
- Can trigger defog automatically if selected
Video Analytics

• Built-In License-Free Intelligent Video Analytics

Tampering Detection

• Tampering detection could be:
  • Spray of paint
  • Cover the lens
  • Change the position of the camera
  • Extreme out of focus

Motion Detection

• Motion detection:
  • Up to 8 motion detection boxes
  • One box can have up to 8 vertices for flexibility and is available for each motion detection box
Sound Classification

Sound classification can help users respond immediately in dangerous situations, by classifying sounds such as gunshots, breaking glass, screams and explosions.

White Accessories Configuration

**Indoor**
- XND-6081VZ
- XND-8081VZ

**Outdoor**
- XNV-6081Z
- XNV-8081Z

- SBP-167HMW
- SBP-187HMW
- SBP-300WMW1
- SBP-300CMW
- SBP-300PWM
- SBP-300KMW

**Mounting Options**
- Ceiling Mount
- Wall Mount
- Pole Mount
- Corner Mount

**Designations**
- (Swan-neck)
Ivory Accessories Configuration

Indoor
XND-6081VZ
XND-8081VZ

Outdoor
XNV-6081Z
XNV-8081Z

Ivory Skin Cover

Hanging Mount

SBP-167HM

Wall Mount Base

SBP-300CM

Pole Mount

SBP-300WM1

Corner Mount

SBP-300KM

Parapet Mount

SBP-300LM

Installation Box

SBP-300NB

Wall Mount

SBP-300WM

Hanging Mount

SBP-187HM

Hanging Mount

SBP-187HM

Ceiling Mount
Wisenet X Plus Series Demonstration Video

Video at https://www.youtube.com/watch?v=lkOwPDNUeNc
Questions?

Thank you for attending. See you next month.