

Fixed Indoor Dome Camera WV-CF504

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Overview



Surface mount

WV-CF504:

Super Dynamic 5 Fixed Indoor Dome Day-Night camera

- Super Dynamic 5 (SD5) delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch)
- High resolution: 650 TV lines (Color mode), 700 TV lines (B/W mode)
- High sensitivity: With Day/Night function 0.1 lx (Color), 0.01 lx (B/W) at F1.4
IR cut filter switches on/off to enhance the sensitivity in B/W mode.
- ABF automatically adjusts back focus by adjusting the CCD position.
- Adaptive Digital Noise Reduction (DNR): 2D-DNR for motion area and 3D-DNR for static area are effectively combined.

Super Dynamic 5

Super Dynamic 5 delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch) and i-VMD.

It can reproduce more natural dark gradation and visibility around motion area.



Iris is set for indoor: Outdoor image is washed out.



Iris is set for outdoor. Indoor image is too dark.

Super Dynamic 5



Both bright area and dark area are clearly visible.

High Resolution

**650 TV lines (Color HIGH mode), 700 TV lines (B/W mode)
high resolution image allows precise identification.**

Conventional



Unclear details and poor color reproduction.

SD5 Camera

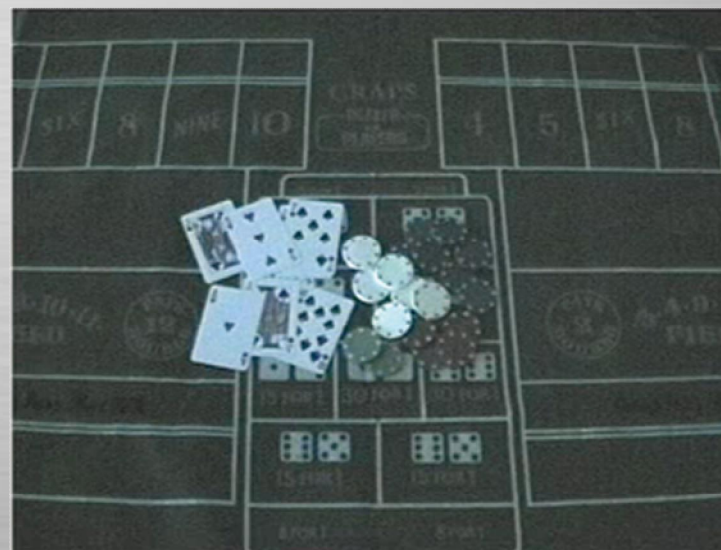


Clear details and superior color reproduction.

High Sensitivity

High sensitivity 0.1 lux allows color images even when the lighting is dim.

When the situation is too dark, Electronic Sensitivity Enhancement and Day/Night feature further enhances the low light capability, ideal for 24-hour surveillance.



Note: 0.01 lux for B/W. With standard clear dome cover for WV-CW504 series.

Options

Embedded Ceiling Mount Bracket
WV-Q175



Smoke Dome Cover
WV-CW4S

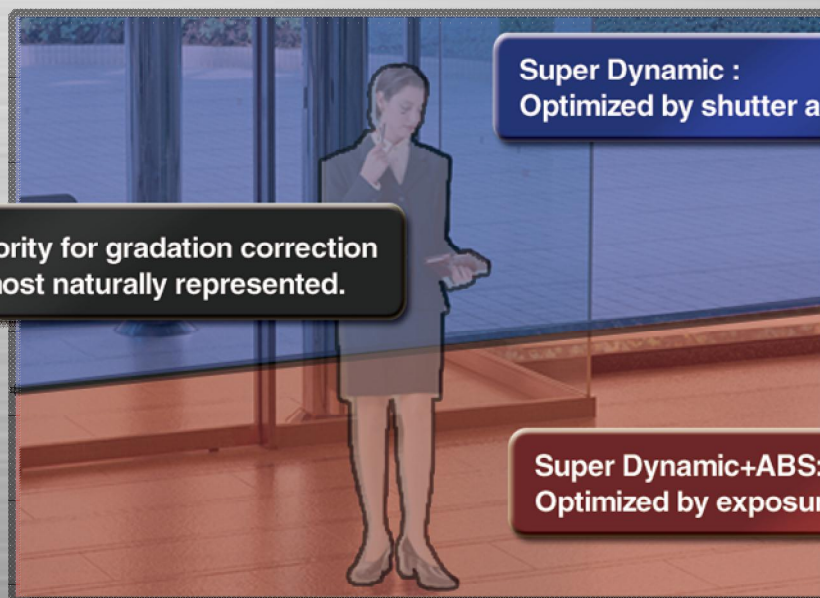


Appendix

Super Dynamic 5

Super Dynamic 5 delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch) and i-VMD.

It can reproduce more natural dark gradation and visibility around motion area.



Super Dynamic :
Optimized by shutter and signal processing

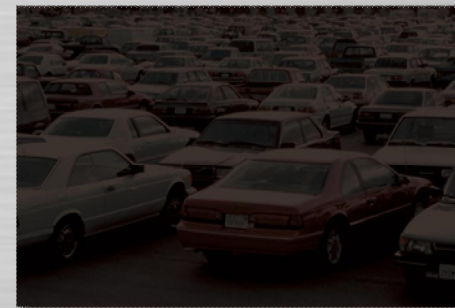
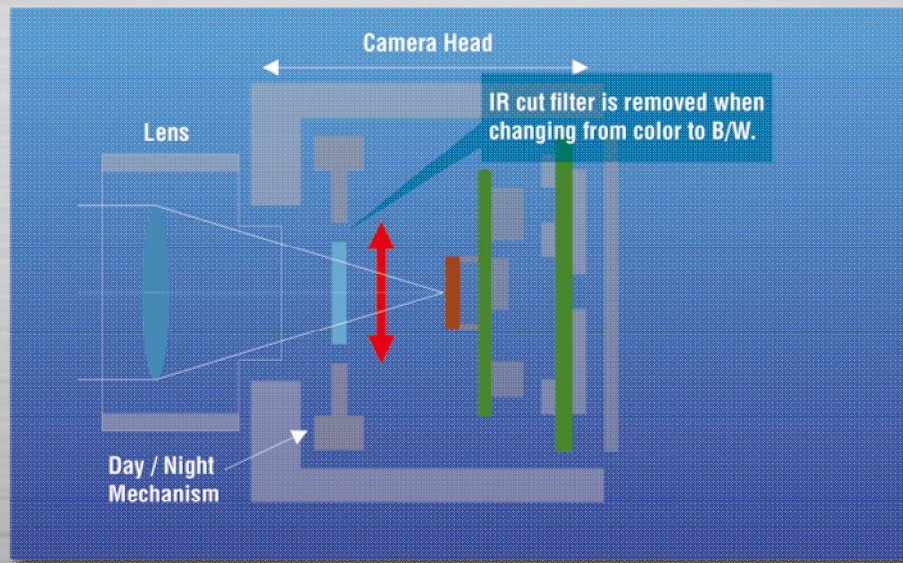
i-VMD: SD5 controls priority for gradation correction so that motion area is most naturally represented.

Super Dynamic+ABS:
Optimized by exposure level and Adaptive Black Stretch

Day-Night

Day/Night feature automatically switches the camera from color to B/W and vice versa depending on the illumination, an ideal solution for 24-hour surveillance.

With moving IR cut filter and ABF, both high sensitivity and accurate focus are ensured.

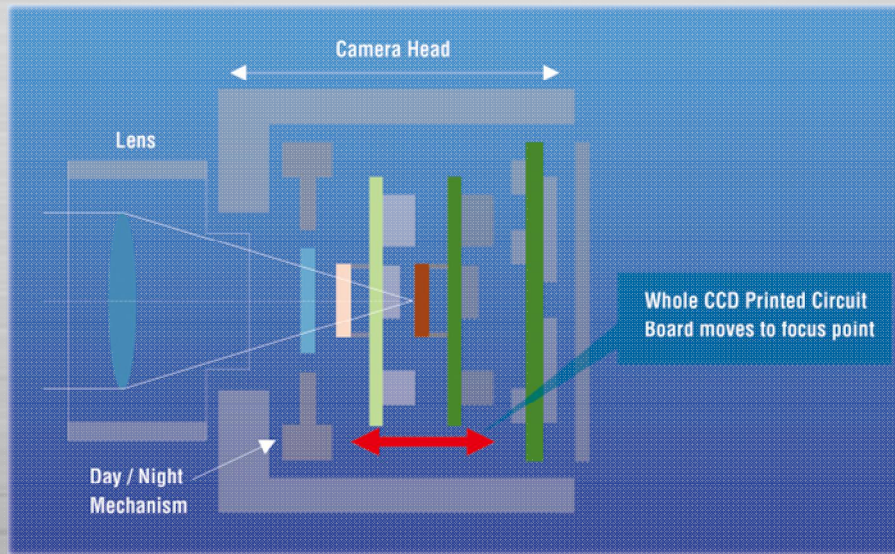


Changing from
color to B/W



ABF (Auto Back Focus)

ABF automatically adjusts back focus by adjusting the CCD position, allowing easy installation and accurate focus in both color and B/W mode.



Defocus by
IR filter removal



Accurate focus
by ABF

Adaptive DNR

2D-DNR for motion area and 3D-DNR for static area are effectively combined, realizing a clear low noise image with less motion blur and resolution deterioration.



AGC OFF: Image is too dark

AGC ON: Image is too noisy.

**Conventional DNR:
Motion blur on moving subject.**

**Motion adaptive DNR:
Clear image without motion blur.**

Auto Image Stabilizer

Auto image stabilizer digitally cancels the vibration on images by the advanced digital signal processing.

It enables the camera to be installed where vibration or wind is a concern.

Stabilizer: OFF



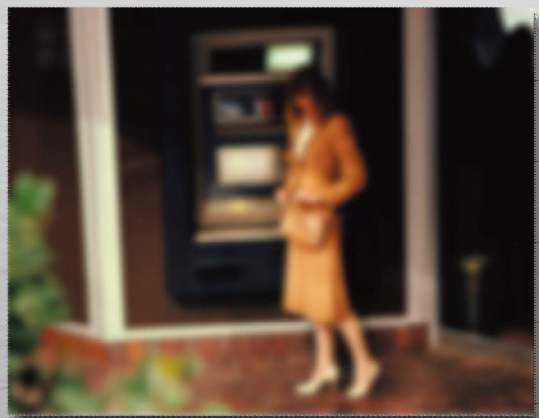
Stabilizer: ON



Scene Change Detection

Scene change detection can detect interference to the camera and sends an alarm.

It can detect manual change in the camera angle, removal of the camera lens, defocus, blockage of the camera lens with cloth or paint.



Lens defocused



Splay painted

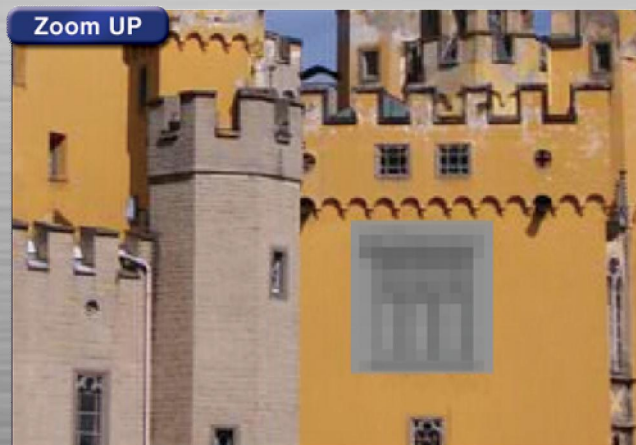


Lens covered by cloth

Privacy Zone

Privacy zone masking provides the ability to mask sensitive areas of the image from view.

Gray mask and monotone mosaic are available and mask position/size changes corresponding to the PTZ operation.



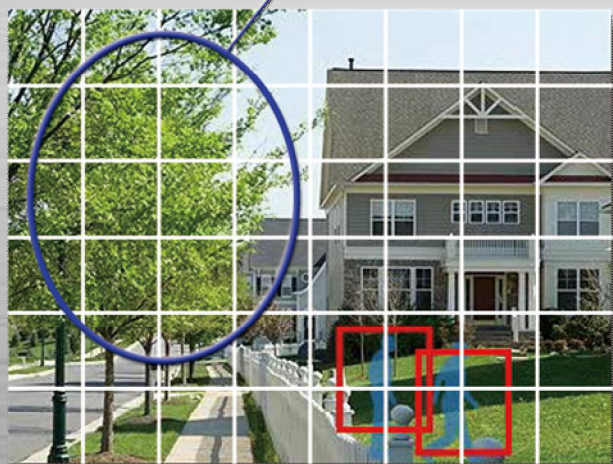
i-VMD: Intelligent VMD

High resolution detection area and advanced motion analyze algorism enables accurate motion detection.

Up to two intruder detection areas and two object abandonment/removal detection areas can be programmed.

Conventional

Back ground movements such as tree, rain, shadow, wave are wrongly detected.



8 x 6 detection setup areas

I-VMD

i-VMD learns back ground movements and only subjective movement can be detected.



320x240 detection resolution

i-VMD: Intruder detection

**Up to 4 objects detected in up to 2 detection areas can be traced simultaneously.
Depth correction allows more accurate detection when the scene includes deeper depth.**



A person is approaching the fence.



Intruders are climbing the fence.

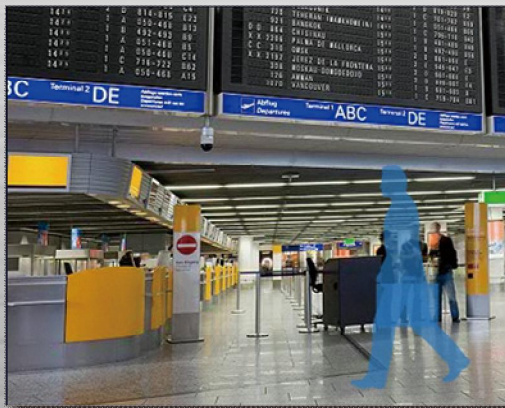


Intruders are detected and indicated by red frames.

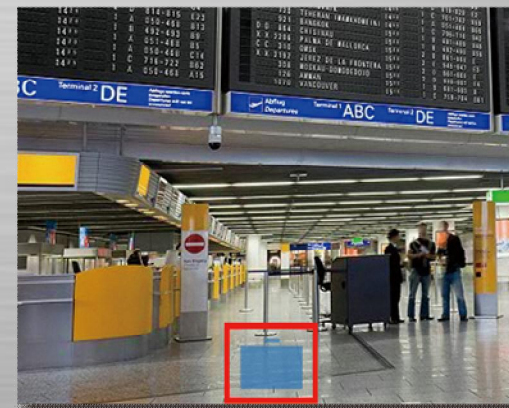
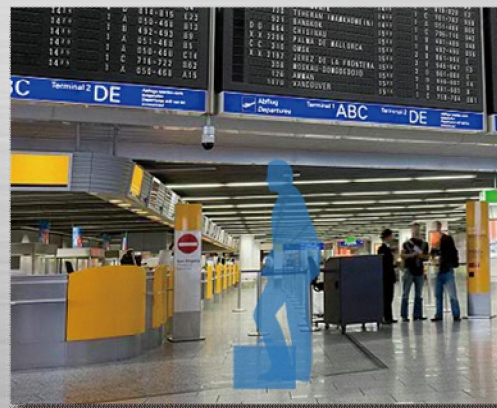
Depth correction setup is available when used with WJ-HD600/700 (Under study).

i-VMD: Object Abandonment

Abandoned object can be detected and indicated with the red frame to alert a malicious attempt.



A person is leaving a bag.



The abandoned bag is detected and indicated by red frame.

i-VMD: Object Removal

Removed object in the specified area can be detected and indicated with the red frame to alert a theft.



A person is approaching to the clothes.



The stolen cloth is detected and indicated by red frame.