



Finally a camera makes perfect *SENS* at night !



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SENS Series

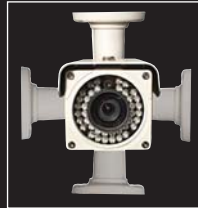
002B / 212D
212V/ 212WIR
650WIR/ 212WIR
212VIR/ 212DIR



Torpedo IR

3 Axis

Armed with a heavy-duty 3 Axis bracket the SENS Torpedo can withstand weather and wind in a flexible form that can be mounted virtually anywhere. Having the wire through the bracket makes the wiring more secure and less likely to cut.



Airflow System

They are designed to have good airflow to reduce the temperature difference inside and outside the camera. This feature prevents fog and moisture from developing in the camera and still keep water out.



IR LEDs

Variety of different IR LEDs and settings to cover narrow or wide angles, which helps the IR LEDs concentrate its resources either on long distance shots or cover a wide and large area.



User friendly OSD

With a very accessible control board, the lens adjustments and OSD (On Screen Display) configuration are very user-friendly.



Extreme Night Vision IR Dome

Ultimate Day & Night Torpedo IR



SENS650WIR

- Outdoor Torpedo
- 1/3" Sony High Sensitivity CCD (Super HAD II)
- 600 TVL @ Color (700TV Lines @ B/W)
- 0.00004 Lux [F1.4 / 50 IRE]
- Auto Iris 6~50mm Vari-focal Lens
- Mechanically switching IR cut filter (ICR)
- Push Button OSD control
- SENS Up (x2 ~x256)
- 3DNR (3 Dimensional Digital Noise Reduction)
- D-WDR(Digital Wide Dynamic Range)
- D/N mode : Auto/Color/BW
- 40 IR LED Built in(250 ft Range)
- IR volume /On/Off Switch
- 3.3" x 3.2" x 10"
- DC12V/AC24V, 100mA



SENS212WIR

- Outdoor Torpedo
- 1/3" Sony High Sensitivity CCD (Super HAD II)
- 600 TVL @ Color (700TV Lines @ B/W)
- 0.00004 Lux [F1.4 / 50 IRE]
- Auto Iris 2.8~12mm Vari-focal Lens
- Mechanically switching IR cut filter (ICR)
- Push Button OSD control
- SENS Up (x2 ~x256)
- 3DNR (3 Dimensional Digital Noise Reduction)
- D-WDR(Digital Wide Dynamic Range)
- D/N mode : Auto/Color/BW
- 40 IR LED Built in(200 ft Range)
- IR volume /On/Off Switch
- 3.3" x 3.2" x 6.5"
- DC12V/AC24V, 500mA

IR DOME



Semicircle Flip-Top IR

This unique design keeps the IR light away from base of dome or wall to avoid IR reflection from them and still have easy access to lens for accurate focus adjustment.



Fully Enclosed Housing

The screws for mounting are located outside of the sealing gasket and therefore fully protected from the outside elements. This feature provides a more secure seal and extends the camera life and durability.



Perfect 90° Side View

Perfect 90° views are enabled through elongated oval dome shape and gives more range of field view. This is achieved due to 1:1.2 radius ratio which is unlike conventional domes that have 1:1 ratio of which base blocks the view when shooting side view.



Easy Access Control and Joystick Menu Control

They have IR volume control to adjust IR levels and an extra TV out for installation. The Joystick is used to easily adjust the setting in the camera to achieve optimal performance.



Ultimate Day & Night Indoor Dome



SENS212DIR

- Indoor Dome
- 1/3" Sony High Sensitivity CCD (Super HAD II)
- 600 TVL @ Color (700TV Lines @ B/W)
- 0.00004 Lux [F1.4 / 50 IRE]
- Auto Iris 2.8~12mm Vari-focal Lens
- Mechanically switching IR cut filter (ICR)
- Joystick OSD control
- SENS Up (x2 ~x256)
- 3DNR (3 Dimensional Digital Noise Reduction)
- D-WDR(Digital Wide Dynamic Range)
- D/N mode : Auto/Color/BW
- 24 IR LED Built in(100 ft Range)
- IR volume /On/Off Switch
- 5.3"(D) x 4"(H)
- DC12V/AC24V,800mA

Extreme Night Vision Box



SENS212VIR

- Outdoor Vandal Dome
- 1/3" Sony High Sensitivity CCD (Super HAD II)
- 600 TVL @ Color (700TV Lines @ B/W)
- 0.00004 Lux [F1.4 / 50 IRE]
- Auto Iris 2.8~12mm Vari-focal Lens
- Mechanically switching IR cut filter (ICR)
- Joystick OSD control
- SENS Up (x2 ~x256)
- 3DNR (3 Dimensional Digital Noise Reduction)
- D-WDR(Digital Wide Dynamic Range)
- D/N mode : Auto/Color/BW
- 24 IR LED Built in(100 ft Range)
- IR volume /On/Off Switch
- 6"(D) x 5"(H)
- DC12V/AC24V,800mA

Outdoor Vandal Dome



SENS212V

- Outdoor Vandal 3-Axis Dome
- 1/3" Sony High Sensitivity CCD (Super HAD II)
- 600 TVL @ Color (700TV Lines @ B/W)
- 0.00004 Lux [F1.4 / 50 IRE]
- Auto Iris 2.8~12mm Vari-focal Lens
- Night Focus Adjust Mode
- Mechanically switching IR cut filter (ICR)
- Joystick OSD control
- SENS Up (x2 ~x512)
- SSNR3(3 Dimensional Super Noise Reduction)
- SSSDR(Super Dynamic Range)
- D/N mode : Auto/Color/BW
- 6" (D)x 5 "(H)
- DC12V/AC24V, 500mA

Outdoor IR Vandal Dome



SENS212D

- Indoor 3-Axis Dome
- 1/3" Sony High Sensitivity CCD (Super HAD II)
- 600 TVL @ Color (700TV Lines @ B/W)
- 0.00004 Lux [F1.4 / 50 IRE]
- Auto Iris 2.8~12mm Vari-focal Lens
- Night Focus Adjust Mode
- Mechanically switching IR cut filter (ICR)
- Joystick OSD control
- SENS Up (x2 ~x512)
- SSNR3(3 Dimensional Super Noise Reduction)
- SSSDR(Super Dynamic Range)
- D/N mode : Auto/Color/BW
- 5.2" (D)x 4 "(H)
- DC12V/AC24V, 500mA

Ultimate Day & Night Torpedo IR



SENS212WIR/ DC

- Outdoor Torpedo
- 1/3" Sony High Sensitivity CCD (Super HAD II)
- 600 TVL @ Color (700TV Lines @ B/W)
- 0.00004 Lux [F1.4 / 50 IRE]
- Auto Iris 2.8~12mm Vari-focal Lens
- Mechanically switching IR cut filter (ICR)
- Push Button OSD control
- SENS Up (x2 ~x256)
- 3DNR (3 Dimensional Digital Noise Reduction)
- D-WDR (Digital Wide Dynamic Range)
- D/N mode : Auto/Color/BW
- 30 IR LED Built in (150 ft Range)
- IR volume /On/Off Switch
- 2.7" x 2.7" x 8"
- DC12V/AC24V,800mA

Ultimate Day & Night Torpede IR



SENS002B/ DC

- Outdoor Vandal 3-Axis Dome
- 1/3" Sony High Sensitivity CCD (Super HAD II)
- 600 TVL @ Color (700TV Lines @ B/W)
- 0.00004 Lux [F1.4 / 50 IRE]
- C/CS Lens Mount
- Night Focus Adjust Mode
- Mechanically switching IR cut filter (ICR)
- Push Button OSD control
- SENS Up (x2 ~x512)
- SSNR3(3 Dimensional Super Noise Reduction)
- SSSDR(Super Dynamic Range)
- D/N mode : Auto/Color/BW
- 2.4" x 2.2" x 4.7"
- DC12V/AC24V, 500mA

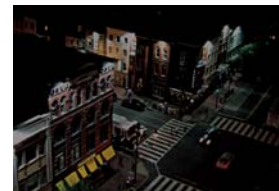
SENS

Taking Night Vision to a New Level !

The AVS SENS provides a high quality image by activating the ICR (Infrared Cut filter Removal) Day & Night function that detects changes in the level of light at any time of day, and then switches to the optimum surveillance mode according to the light level.

SENS UP : Night Vision Maximized

The "SENS UP" feature of the SENS cameras allows the cameras to perform well in very little light. This technology extends the time the shutter remains open to collect additional ambient light up to 256 times, thus enhancing dark areas. SENS cameras can produce a clear picture on an overcast night without IR. Most cameras would need IR to produce a clear image in these conditions. When IR is paired with a SENS camera the image produced at night is flawless.



Conventional Camera



AVS SENS

True Day & Night : Take sunglasses off at night

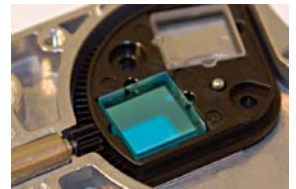
Infrared light is part of sunlight's spectrum. This means that during bright days an IR camera will display the natural light that the human eye can see along with the natural infrared light. This will cause the picture to be too bright and look washed out. The automatic switching IR filter will filter out unwanted IR during the day and allow IR in while the camera is in night mode. The SENS camera will produce the best picture in either lighting conditions.



Day Filter Off



Day Filter On



IR Filter Switching

Stay Focused for 24hr: Focus Adjust Feature

Normal cameras have a large "focus shift", meaning the camera is in focus during the day and out of focus at night. This has been a problem since the inception of IR cameras. The SENS camera has an iris feature that helps minimize this problem without having to adjust the camera at night with its iris control.



Normal Focus Shift



SENS Focus

3DNR (3D Noise Removal) : Noise Free in the dark

Most cameras in dark environments are prone to have more noise displayed on the screen, such as static, ghosting, or wavy lines. The AVS SENS line with its latest CCD and DSP technology automatically helps minimize any of the noise that would normally deteriorate the quality of the picture. The SENS line of camera has superior 3 Dimensional Noise filtering processor to deliver almost noise-free images in bright or low light.



DNR Off



DNR On



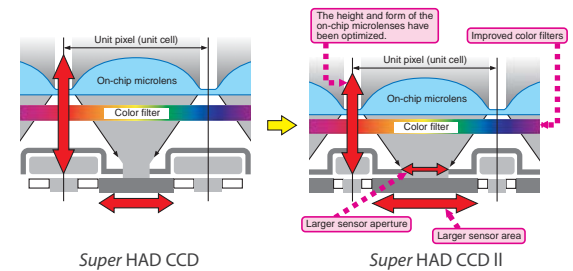
Ultra 600 TV Line (12 Digit DSP): Cristal Clear

The SENS line of cameras use the 12 Digit DSP (Digital Signal Processor), unlike conventional camera with 10 Digit DSP, which displays up to 600 TV Lines in color and 700 TV Lines in B/W. More TV Lines enables you to distinguish the small details on the screen and produce a picture with optimal quality by automatically adjusting to various lighting conditions and reducing noise on the screen. SENS is the sharpest.



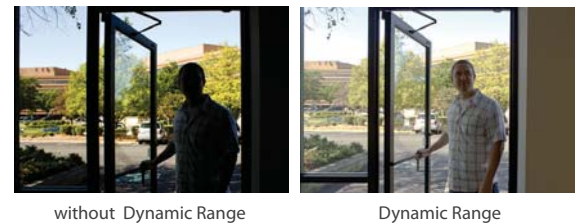
Sony Super HAD CCD II: Latest Image Sensor Technology

Super HAD CCD II is the latest image sensor developed by Sony. The CCD is the heart and base of all CCTV cameras. The CCD works with the SENS DSP to enable the highest TV Lines, superior night-time sensitivity, filters colors, and achieves balanced spectral characteristics which lead to reduced color noise. The Sony Super HAD II is the latest and most advanced CCD on the market today that provides the highest quality pictures.



Dynamic Range (DWDR, SDR) : Less Glare

When a camera is pointed into a direction with different lighting situations, i.e., where windows, shade, or glares are present, the picture becomes over-exposed and/or washed-out in certain areas. AVS SENS' Dynamic Range technology enables it to observe every detail in various environmental conditions in one picture.



OSD Menu with Built-in Joystick

All features of the SENS cameras are programmable by its OSD (On Screen Display) Menu. This menu is displayed over the video for easy access and more accurate fine-tuning of the picture settings. There is no need for screws or 1 dip-switch to adjust camera settings.

