

## Compact B/W and Color Bullet Cameras TRUE Day/Night Bullet Camera



**S35CH / S35CH36RJ**

**A-S230CWX**

**SDN655**

### Color and B&W Bullet

The A-S230CWX bullet style camera is one of the smallest full-featured cameras available. The small size of the camera, only 23mm in diameter permits its use in a wide variety of CCTV applications, when covert or near covertness is required – such as residential applications or even in nightclubs or bars.

This camera incorporates a standard-resolution CCD (380TVL) with a 3.6mm fixed iris lens into a small and unobtrusive housing. The use in outdoor environments is discouraged.

The video and power connections to the cameras are a standard BNC connector and power pin for 15VDC operation. A BNC/power pin to RJ-11 adapter and 60-ft of RJ-11 cable for ADT system applications is included. All models include a wall mount.

### Color Day/Night Bullet

The small size of the S35CH bullet style camera - only 37mm in diameter including IR LEDs permits its use in a variety of CCTV applications. The camera incorporates a high resolution (550TVL) color CCD with a 3.6mm or 6mm fixed iris lens into a small, unobtrusive and weather resistant housing with sunshield.

### TRUE Day/Night Bullet

The SDN655 bullet style camera features the SONY® HQ1 chip set and offers TRUE Day/Night capability with an automatic switching IR filter. The camera offers 18 IR LEDs projecting IR illumination to nearly 50-feet. The camera incorporates a high-

resolution (550TVL) color CCD with 3.8~9.5 aspheric varifocal auto-iris lens into a 2.4" diameter by 5.71" long weather resistant housing with sunshield.

### IR Illumination

The built-in IR illumination allows the cameras to produce a black and white image in the absence of any visible light (0 lux condition). The IR illumination of the S35CH series provides up to 10 meters (33-ft), and the SDN655 provides coverage up to 15 meters (50-ft). As conditions approach near darkness, the cameras automatically switch the IR LEDs on to illuminate the camera field of view. The window of the housing is dual glass (circle inside a circle) divided by a black ring barrier to prevent the IR light from reflecting back into the lens. The SDN655 switches an internal IR filter out of the field of view (ICR) offering a further improvement in low-light level viewing.

**Note:** Illumination performance is a function of reflective objects in the camera's field-of-view. Outdoor nighttime viewing is improved with the addition of external visible lighting.

The video and power connections to the cameras are a standard BNC connector and power pin for 15VDC operation. A BNC/power pin to RJ-11 adapter and 60-ft of RJ-11 cable for ADT system applications is included. All models include a wall mount. The cameras are quick and easy to install in a variety of indoor (or outdoor day/night only) applications.

### Features

#### Color Compact

- Ultra compact size – 0.9" diameter x 2.9" long
- 3.6mm wide angle fixed iris lens
- Anodized aluminum housing
- Rear-style swivel mount bracket included

#### Color Day/Night

- Compact size – 1.5" diameter X 3.6" long
- 3.6mm wide angle or 6.0mm lens
- AGC, ATWB & Backlight compensation
- Rain and fog resistant glass coating
- Weather resistant anodized aluminum housing and sunshield
- Bottom-style swivel mount bracket included
- Dual glass housing window

#### TRUE Day/Night

- Small size – 2.4" diameter X 5.71" long
- 3.8-9.5mm aspheric VF AI lens
- Automatic mechanical IR-Filter switch (ICR)
- Weather resistant anodized aluminum housing and sunshield
- Top, bottom, rear-style swivel mount bracket included
- Dual glass housing window

### Ordering Guide

SCN#	Item
<b>A-S230CWX</b>	Color Bullet Camera, 3.6mm lens, white case
<b>S35CH</b>	Color Day/Night Bullet Camera, w/6 LEDs, 6mm lens, white case
<b>S35CH36RJ</b>	Color Day/Night Bullet Camera, w/6 LEDs, 3.6mm lens, white case
<b>SDN655</b>	TRUE Color Day/Night Bullet Camera, IR filter, w/18 LEDs, 3.8-9.5mm VF AI lens, white case



## Specifications

### Image Sensor

Color Bullet: 1/3" IT CCD, 510 (H) x 492 (V) Pixels  
 Color Day/Night Bullet: 1/3" IT CCD, 768 (H) x 494 (V) Pixels  
 TRUE Day/Night Bullet: 1/3" IT CCD, 768 (H) x 494 (V) Pixels

### Resolution

Color Bullet: >380 TVL  
 Color Day/Night Bullet: >550 TVL  
 TRUE Day/Night Bullet: >550 TVL

### Lens

Color Bullet: 3.6mm, fixed iris  
 Color Day/Night Bullet: 3.6mm or 6mm, fixed iris  
 TRUE Day/Night Bullet: 3.8-9.5mm VF, AI, IR, Aspherical

### LED Illumination (Color Day/Night Only)

LED: 6-total, 10 meter beam  
 Wavelength: 850nm  
 Beam Length: 10 meters (~33-ft)  
 Half angle: +/- 15 degrees  
 Sensor Detection Range: 10 lux min, 30 lux max, 15 lux avg

### LED Illumination (TRUE Day/Night Only)

LED: 18-total, 15 meter beam  
 Wavelength: 850nm  
 Beam Length: 15 meters (50-ft)  
 Half angle: +/- 15 degrees  
 Sensor Detection Range: 1.5 lux min, 10 lux max, 5 lux avg

### Electronic Iris

1/60 ~ 1/100,000 Sec.  
 (TRUE Day/Night Bullet: 1/60 ~ 1/50,000 Sec.)

### Minimum Illum.

Color Bullet: 0.5 lux, F2.0  
 Color Day/Night Bullet: 0.0 lux (IR LEDs on)  
 TRUE Day/Night Bullet: 0.0 lux (IR LEDs on)

### Video Output

1.0Vp-p (75-ohms), 6-pin modular,  
 Video BNC

### Camera Connectors

BNC / Power (RJ-11 adapter included)  
 60' RJ-11 camera cable included

### Dimensions

Color Bullet: 0.9" dia. x 2.9" (23mm dia. x 74mm)  
 Color Day/Night Bullet: 1.5" dia. x 3.6" (37mm dia. x 92mm)  
 TRUE Day/Night Bullet: 2.4" dia. x 5.7" (60mm dia. x 145mm)

### Power

Color Bullet: 15 VDC, 1.5 w (max)  
 Color Day/Night Bullet: 15 VDC, 3.0 w (max)  
 TRUE Day/Night Bullet: 15 VDC, 6.0 w (max)

### Operating Temperature

Color Bullet: 14°F ~ 122°F (-10°C ~ +50°C)  
 Color Day/Night Bullet: -4°F ~ 122°F (-20°C ~ +50°C)  
 TRUE Day/Night Bullet: -4°F ~ 122°F (-20°C ~ +50°C)

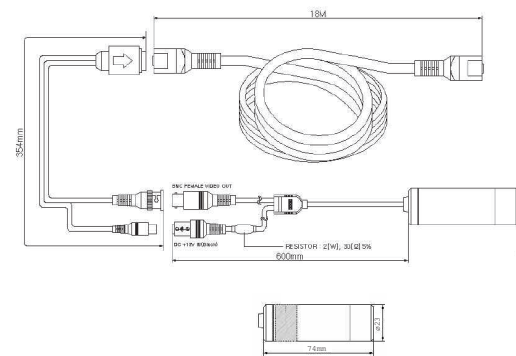
### Environmental

TRUE Day/Night Bullet IP67 rated

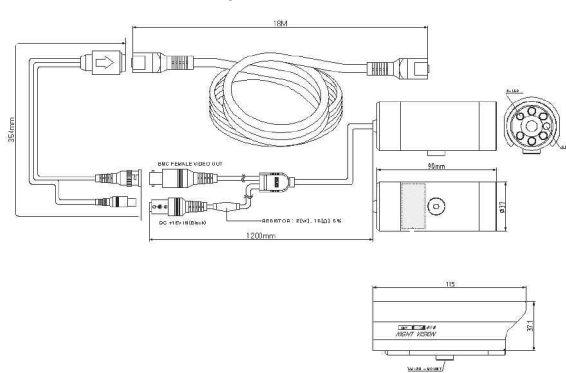
## Optional Accessories

<b>A-A18C</b>	60' Camera cable
<b>A-A30C</b>	100' Camera cable
<b>A-A60C</b>	200' Camera cable
<b>A-A90C</b>	300' Camera cable
<b>A-MA800</b>	Modular cable adapter
<b>A-LA800</b>	Line Amplifier, for camera runs over 300'
<b>A-AB50C</b>	50' Cable, BNC to BNC
<b>CONKIT4C</b>	4-ch A/V Interface

### A-S230CWX



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### SDN655

