

# SSC-YB511R/YB501R

Analog Color Fixed Cameras

**SONY**  
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## 650 TV Line Security Cameras with IR Illuminators

- Horizontal resolution of 650 TV lines
- High sensitivity
- Built-in IR illuminators
- Fixed focal lens (6-mm lens for SSC-YB511R, 3-mm lens for SSC-YB501R)
- True Day/Night function



### KEY FEATURES

- Built-in IR (infrared) illuminators to assist capturing objects in the dark even under 0 lx, up to 10 m (33 feet) away



OFF



ON

- High resolution (650 horizontal TV lines) and high sensitivity (B/W: 0 lx at 50 IRE, F1.8 for SSC-YB511R and F2.0 for SSC-YB501R.) achieved by an 1/3-type "EXview HAD CCD II" sensor and Sony's new digital signal processor, "Effio-E"

**EXview HAD CCD II™**

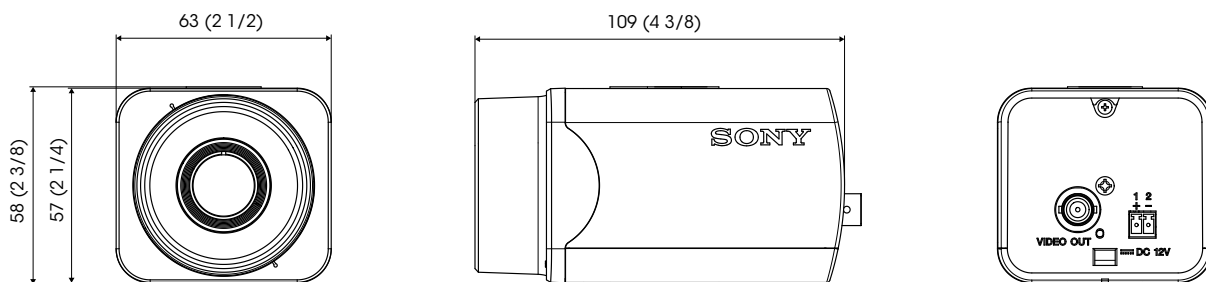
- True Day/Night function to switch to Day or Night mode depending on the light level

- ATR-Lite (Adaptive Tone Reproduction Lite) to compensate for gradation of subjects to an optimum level
- ATW (Automatic Tracing White) balance which automatically adjusts the camera's white balance to adapt to sudden changes in lighting conditions
- Color rolling suppressor function, which can minimize color rolling phenomena and optimize the camera's white balance
- 2D noise reduction employed
- DC 12 V operation ( $\pm 10\%$ )

## SPECIFICATIONS

	SSC-YB511R	SSC-YB501R
<b>Camera</b>		
Image Sensor	1/3-type 960H EXview HAD CCD II	1/3-type 960H EXview HAD CCD II
Image Sensor (Number of Effective Pixels)	Approx. 0.57 Megapixels	Approx. 0.57 Megapixels
Signal System	PAL	PAL
Minimum Illumination (50 IRE)	B/W: 0 lx (F1.8)	B/W: 0 lx (F2.0)
S/N Ratio	More than 55 dB	More than 55 dB
Gain	Auto	Auto
Shutter Speed	Auto	Auto
Sync System	Internal only	Internal only
White Balance	ATW (2000K to 10000K)	ATW (2000K to 10000K)
Lens	Mono-focal type	Mono-focal type
Powered Zoom	No	No
Powered Focus	No	No
Horizontal Viewing Angle	46.5°	96.3°
Vertical Viewing Angle	34.5°	68.7°
Focal Length	f=6 mm	f=3.1 mm
F-Number	F1.8	F2.0
Minimum Object Distance	800 mm	400 mm
Horizontal Resolution	650TVL	650TVL
Infrared Illuminators	10 pcs	10 pcs
Infrared Irradiation Distance	10 m at 50 IRE	10 m at 50 IRE
<b>Camera Features</b>		
Day/Night	Yes (True D/N)	Yes (True D/N)
Image Enhancement	Yes (ATR-Lite)	Yes (ATR-Lite)
Noise Reduction	Yes (2DNR)	Yes (2DNR)
<b>General</b>		
Power Requirements	DC 12 V ±10%	DC 12 V ±10%
Power Consumption	3.2 W max.	3.2 W max.
Operating Temperature	-10°C to +50°C (14°F to 122°F)	-10°C to +50°C (14°F to 122°F)
Storage Temperature	-40 °C to +60 °C (-40°F to +140°F)	-40 °C to +60 °C (-40°F to +140°F)
Operating Humidity	20% to 80%	20% to 80%
Storage Humidity	20% to 95%	20% to 95%
Vandal Resistant	No	No
Dimensions	63 mm x 57 mm x 109 mm (2 1/2 inches x 2 1/4 inches x 4 3/8 inches)	63 mm x 57 mm x 109 mm (2 1/2 inches x 2 1/4 inches x 4 3/8 inches)
Mass	165 g (5.8 oz)	165 g (5.8 oz)
Safety Regulations	EN55022 (Class A) + EN50130-4 EN55022 (Class A) + EN55024 AS/NZS CISPR22 (EN55022) Class A IEC60065 GOST-R IEC60065 compliance	EN55022 (Class A) + EN50130-4 EN55022 (Class A) + EN55024 AS/NZS CISPR22 (EN55022) Class A IEC60065 GOST-R IEC60065 compliance
Ingress Protection	No	No
Supplied Accessories	Operation instructions (1)	Operation instructions (1)

## DIMENSIONS



Unit: mm (inches)

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