

# SSC-CM461R/CM460R

Analog Color Mini Dome Cameras

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

- Horizontal resolution of 540 TV lines
- High Sensitivity
- Built-in IR illuminators
- 3.7x varifocal lens
- True Day/Night function



### KEY FEATURES

- Built-in IR (infrared) illuminators to assist capturing objects in the dark even under 0 lx, up to 16 m (52 feet) away



OFF



ON

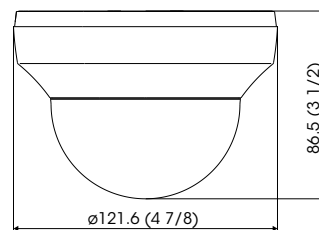
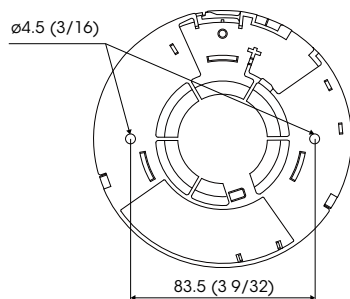
- High resolution (540 horizontal TV lines) and high sensitivity (Color: 0.06 lx, B/W: 0 lx at F1.2 and 50 IRE) achieved by an 1/3-type "EXview HAD CCD II" sensor and Sony's new digital signal processor, "Effio-E"
- EXview HAD CCD II™**
- 3.7x variable focal length lens with a focal length of 2.8 mm to 10.5 mm and a horizontal angle of view of 101.8° to 27.4°
  - Easy and flexible camera angle adjustment achieved by a new three-hinge structure
  - 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
- iBLC to compensate for exposure levels in dark scenes to improve subject visibility
- ATW (Automatic Tracing White) and ATW-PRO which automatically adjust the camera's white balance to adapt to sudden changes in lighting conditions
- Monitor out connector to adjust the viewing angle of a camera
- Internal lock, and line lock selectable
- 2D noise reduction employed
- AC 24 V/DC 12 V operation ( $\pm 10\%$ )
- Custom template supplied

## SPECIFICATIONS

	SSC-CM461R	SSC-CM460R
<b>Camera</b>		
Image Sensor	1/3-type 760H Super HAD CCD II	1/3-type 760H Super HAD CCD II
Image Sensor (Number of Effective Pixels)	Approx. 0.44 Megapixels	Approx. 0.38 Megapixels
Signal System	PAL	NTSC
Minimum Illumination (50 IRE)	Color: 0.06 lx (F1.2 AGC ON) B/W: 0 lx (F1.2 AGC ON)	Color: 0.06 lx (F1.2 AGC ON) B/W: 0 lx (F1.2 AGC ON)
Minimum Illumination (30 IRE)	Color: 0.04 lx (F1.2 AGC ON) B/W: 0 lx (F1.2 AGC ON)	Color: 0.04 lx (F1.2 AGC ON) B/W: 0 lx (F1.2 AGC ON)
S/N Ratio	More than 55 dB (AGC OFF)	More than 55 dB (AGC OFF)
Gain	Auto (ON/OFF)	Auto (ON/OFF)
Shutter Speed	Fixed (1/50 s)	Fixed (1/60 s)
Sync System	Internal/AC line lock selectable	Internal/AC line lock selectable
White Balance	ATW (2000K to 10000K) ATW-pro (2500K to 6000K)	ATW (2000K to 10000K) ATW-pro (2500K to 6000K)
Lens	Vari-focal type	Vari-focal type
Zoom Ratio	Optical 3.7x	Optical 3.7x
Horizontal Viewing Angle	101.8° to 27.4°	101.8° to 27.4°
Vertical Viewing Angle	73.7° to 20.6°	73.7° to 20.6°
Swivel Range	350°	350°
Focal Length	f=2.8 mm to 10.5 mm	f=2.8 mm to 10.5 mm
F-Number	F1.2 (Wide), F2.7 (Tele)	F1.2 (Wide), F2.7 (Tele)
Minimum Object Distance	300 mm	300 mm
Horizontal Resolution	540 TVL	540 TVL
Par/Tilt Angle	355°±66°	355°±66°
Infrared Illuminators	10 pcs	10 pcs
Infrared Irradiation Distance	16 m at 50 IRE	16 m at 50 IRE
<b>Camera Features</b>		
Day/Night	Yes (True D/N)	Yes (True D/N)
Image Enhancement	Yes (ATR-Lite, ON/OFF)	Yes (ATR-Lite, ON/OFF)
Noise Reduction	Yes (2DNR, ON/OFF)	Yes (2DNR, ON/OFF)
<b>General</b>		
Power Requirements	AC 24 V ±10%, DC 12 V ±10%	AC 24 V ±10%, DC 12 V ±10%
Power Consumption	4.2 W max.	4.2 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%
Dimensions	ø121.6 mm x 86.5 mm (ø4 7/8 inches x 3 1/2 inches)	ø121.6 mm x 86.5 mm (ø4 7/8 inches x 3 1/2 inches)
Mass	300 g (11 oz)	300 g (11 oz)
Safety Regulations	EN55022 (Class A) + EN50130-4 EN55022 (Class A) + EN55024 AS/NZS CISPR22 (EN55022) Class A IEC60065 GOST-R IEC60065 compliance	UL2044 FCC/IC Class A IEC60065
Supplied Accessories	Operating instructions (1) Template (1)	Operating instructions (1) Template (1)

## DIMENSIONS



Unit: mm (inches)

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