



Ultra-High Sensitivity HD Camera

SSC-9700

Model: SSC-9700



Lens sold separately.

The SSC-9700 is an ultra-high sensitivity video camera with a 2.12 megapixel, 1/1.8 inch CMOS sensor. It is useful in a range of fields and applications where clear images are required, including low-lit environments, such as river ports, for natural disaster monitoring, law enforcement, and surveillance of locations of interest.

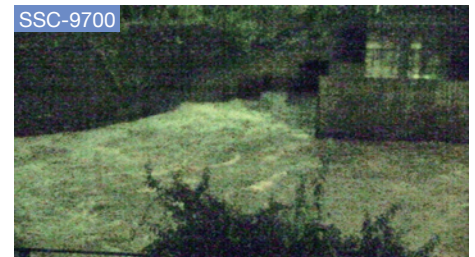
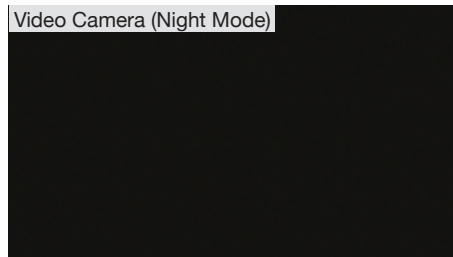
- Color imaging with high sensitivity under dim lighting conditions as low as 0.003 lx
- Unique 2D/3D noise reduction for optimal SN ratio even at high gain settings
- Clear image capture under hazy conditions with a Defog function
- HDR function for clear capture of significantly varying brightness conditions
- Output settings for various video signals (1080 59.94p/59.94i/29.97p/50p/50i/25p)
- 3G-SDI and composite (BNC) video connections
- Smooth integration with advanced surveillance systems using RS-485 communication
- Low power consumption
- Developed and manufactured in-house for long-term reliability

See a demo video

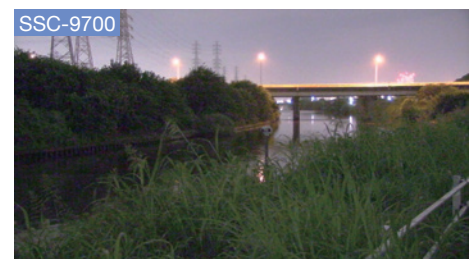
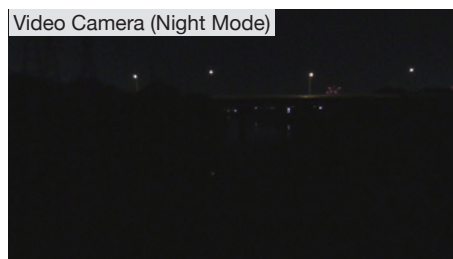


High-Sensitivity Color Capture in Low-Lit Environments

Below: Dam Water Level Surveillance
Time: After Sunset / Weather: Cloudy

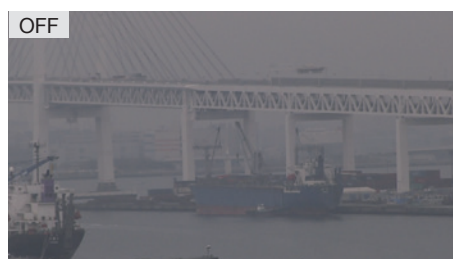


Below: Riverside Surveillance
Time: After Sunset / Weather: Cloudy



Digital Defog

Digital Defog stretches the contrast using image signal processing to adjust the difference in brightness and color for increased clarity of faint images.



Specifications

Camera Unit

Imaging Sensor	Single Panel CMOS/RGB Bayer Array	
Total Pixels	Approx. 2.27 million pixels 2016(H) x 1128(V)	
Effective Pixels	Approx. 2.12 million pixels 1936(H) x 1096(V)	
Pixel Size	4.1(H) x 4.1(V) μ m	
Optical Size	1/1.8 inch	
Sensor Framerate	59.94 fps / 50 fps (29.97 fps when in HDR mode)	
Scanning System	Progressive	
Minimum Illumination	0.003lx (F1.4 1/30 s, 50 IRE, +78 dB)	
Horizontal Resolution	900 TV lines or more	
SN Ratio	50 dB or above ($\gamma=1$, Contour Correction OFF, DNR OFF)	
Lens Mount	C mount	
Lens Control	4 pin DC iris control	
Image Quality Adjustment	Exposure Mode	Full Auto / Shut. Prio. / Gain Prio. / Iris Prio. / Manual
	Gain	Manual : 0 dB - 78 dB (0.3 dB step)
	Electronic Shutter	1/1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 s [60Hz system]
		1/1, 1/2, 1/3, 1/6, 1/12, 1/25, 1/50, 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 s [50Hz system]
	ALC Adjustment	Level adjustment / Limits adjustment
	Backlight Correction	On / Off / Spot
	Gamma Correction	0.35 - 0.55 (0.01 step) / 1.0
	DNR	Off / Low / High
	White Balance	ATW1 / ATW2 / AWC / Manual / Low Temp. / Hi Temp.
	HDR Mode	Off / HDR / Auto Knee / Auto Black Stretch
	Defog	Off / Low / Mid / High
Color Matrix	R / G / B / Ye / Cy / Mg 6-axis adjustment	
Others	Detail / Chroma / Black Level	
Digital Zoom	1 - 10x	
Image Reversal	Mirror / Flip / Mirror Flip	
Privacy Mask	8 masks Gray / White / Black	
Test Pattern	Color Bar, Grayscale, Built-in Cross Line	

Interface

Image Output Terminal	3G-SDI (BNC) x1 Composite video (BNC) x1	
Serial Port	RS-485	
Relay Interface	IR Cut filter	
Video Output	3G-SDI	1080p/59.94 (LEVEL A), 1080i/59.94, 1080p/29.97, 1080p/50.00 (LEVEL A), 1080i/50.00, 1080p/25.00
	Composite Video	NTSC, PAL Down Convert LETTER BOX / SIDE CUT / SQUEEZE

Other

Power Supply	DC 12V \pm 10% (Ripple 50mVp-p or less)
Power Consumption	7.5 W
Operating Temperature / Humidity Range	-10 - 50°C / 10 - 90%
Storage Temperature / Humidity Range	-10 - 60°C / 10 - 90%
Dimensions	78 (W) x 63.8(H) x 144.7(D) mm excluding protrusions
Weight	500 g

Included

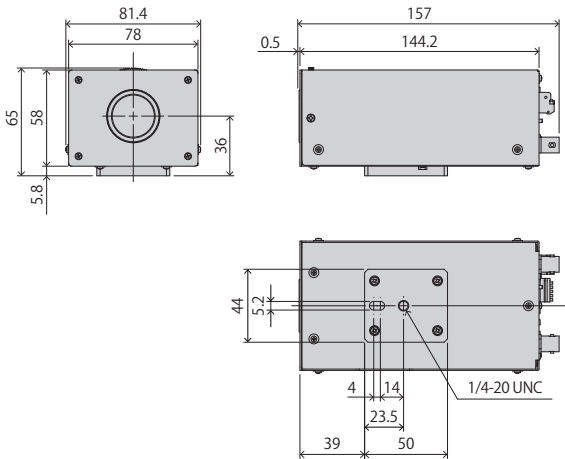
- Camera Unit
- User Manual

Warranty

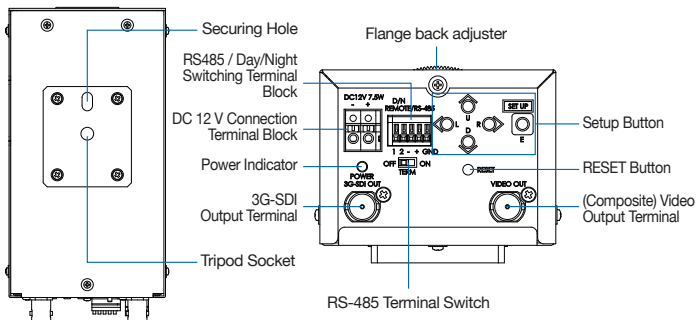
- 2 Years (24-hour use)



Dimensions (Unit : mm)



Name of Parts



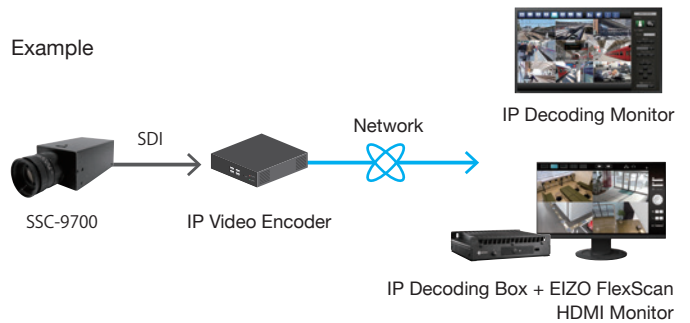
Recommended Solution

IP Decoding Monitors and Box Solution

DuraVision®

DuraVision IP decoding monitors or box connect directly to a camera or switch for streaming video in real time. The SSC-9700 used with an IP decoding solution provides reliable video management for security & surveillance.

Example



EIZO Corporation

153 Shimokashiwano, Hakusan, Ishikawa 924-8566 Japan

Phone: +81-76-277-6792 Fax: +81-76-277-6793

<https://www.eizoglobal.com>

All product names and logos are trademarks or registered trademarks of their respective companies.

DuraVision, FlexScan and EIZO are registered trademarks of EIZO Corporation.

Specifications are subject to change without notice.