



# CCTV SYSTEM

# SUBMERSIBLE COLOR CAMERA

### FEATURES:

- The Waterproof Color Camera For Outdoor Use
- Sony Chip Technology
- 30 Meters or Option Of Camera Cable
- Multi-Purpose Color Camera Could Be With Ex-View, High Resolution, and Ex-View & High Resolution For Different Requirement
- 1 Year Limited Warranty



**IP:68**  
Patent No.164157

**TC506C**

### IR-WAVE NI-VISION DIGITAL CCD COLOR CAMERA

	HIGH RESOLUTION	STANDARD RESOLUTION	HIGH RESOLUTION	STANDARD RESOLUTION	POWER SOURCE
1/3"			<b>TC-506CH</b>	<b>TC-506C</b>	One Cable
Resolution	480 TVL	420 TVL	480 TVL	420 TVL	
Min illumination (F1.2 AGC on)	0.05 LUX	0.05 LUX	0.5 LUX	0.5 LUX	
Light	EXVIEW CCD	EXVIEW CCD			
Wave length	400-850nm	400-850nm	400-700nm	400-700nm	
Response	Infra-red	Infra-red			
	Wave length	Wave length			



※ EH:EXVIEW CCD HIGH RESOLUTION ※ E:EXVIEW CCD ※ H:HIGH RESOLUTION

## Specification

Model		TC-506CH TC-506C			
Scanning system		NTSC		PAL	
Image sensor (device)		SONY EXVIEW HAD Ultra High Sensitivity CCD Sensor			
Image size		1/3" (approx. 4.8mm x 3.6mm)			
Chip size		6.0mm (H) x 4.96mm (V)			
		High Res.	Standard Res.	High Res.	Standard Res.
Picture element	ALL	811(H) x 508(V)	537(H) x 505(V)	795(H) x 596(V)	537(H) x 597(V)
	Effective	768(H) x 494(V)	510(H) x 492(V)	752(H) x 582(V)	500(H) x 582(V)
Horizontal Resolution		480 TV Line	420 TV Line	480 TV Line	420 TV Line
Minimum illumination (50.75 AGC ON)		0.05 Lux	0.05 Lux	0.5 Lux	0.5 Lux
Light Wave length		400-850nm (Infar-red)	400-850nm (Infar-red)	400-700nm	400-700nm
Optical black elements	Horizontal	3: in front , 40 : in back			
	Vertical	12: in front , 2 : in back			
Synchronizing system		Internal Sync .			
Interlace		2:1 interlace			
Aperture correction		H aperture V aperture			
Video output level		1.0V(p-p) (75 ohms, composite)			
Video S/N ratio		More than 50 dB(AGC off )			
Day & Night (option)		Under Light 2 Lux			
White Balance		ATW large range : 2400°K To 11000°K			
Electronic iris		Setting ON			
Lens option		12mm,8mm,6mm,4.3mm,3.0mm			
Auto Exposure (AE) system		Auto electronic iris : 1/50(1/60) - 1/100,000 sec			
Back Light compensation		Active Histogram Plus windows weight BLC			
Gamma		0.45			
Built-in Lens		Board Lens 3.6mm Fixed iris F2.0			
Environmental conditions		Temperature:-10°C to +50°C, Humidity : within 90% RH			
Operating temperature		Temperature:-20°C to +70°C, Humidity : within 70% RH			
Storage temperature					
Power Supply		DC Power Supplied From Coaxialcable Power Supply Unit /DC +12V			
Power consumption (approx.)		3W			
Dimensions (approx.)		110mm(L) x 32mm(DIA)			
Weight (approx.)		2.2Kg			
Accessones & Weight		RU-58U x 30M			
		Mounting Bracket			
		Coaxialcable power supply			

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<b>1/3 inch</b>			<b>TC-506CH</b>	<b>TC-506C</b>	
Resolution	480 TVL	420 TVL	480 TVL	420 TVL	
Min illumination (F1.2 AGC on)	0.05 Lux	0.05 Lux	0.5 Lux	0.5 Lux	
Light	EXVIEW CCD	EXVIEW CCD			
Wave length response	400-850nm Infar-red Wave length	400-850nm Infar-red Wave length	400-700nm	400-700nm	

## Coaxialcable Power Supply Specifictionion

To Camera	VS1.0.Vp-p/75 ohm
To Monitor	VS1.0.Vp-p/75 ohm
Camera Power Supply System	DC Constant Current Over Coaxialcable
Maximun Cable Legth	RG-58U 200M RG-59U 350M RG-61U 500M
Operating Temperature	Temperature:-15°c to +55°c
Humidity	Less Than 90%
Power Consumption(approx.)	6W
Power Requirements	110V AC/60,50Hz , 230V AC/50,60Hz
Dimensions	106mm(W) x 44mm(H) x 96mm(D)
Weight (approx.)	600g

