



# 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



**IP:68**

Patent No.164157.197050 Taiwan

**TS-6020PSC**

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

	EXVIEW HIGH RESOLUTION	EXVIEW STANDARD RESOLUTION	HIGH RESOLUTION	STANDARD RESOLUTION	POWER SOURCE
1/3"	TS-6020EHPS	TS-6020EPS	TS-6020HPS	TS-6020PS	ONECABLE DC+12V
1/3"	TS-6021EHPS	TS-6021EPS	TS-6021HPS	TS-6021PS	
Resolution	480 TVL	420 TVL	480 TVL	420 TVL	
Min Illumination (F1.2 AGC on)	0.01 LUX	0.01 LUX	0.05 Lux	0.05 Lux	
Light	EXVIEW CCD	EXVIEW CCD			
Wave length Response	400-850nm Intra-red Wave length	400-850nm Intra-red Wave length	400-700nm	400-700nm	

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

**CE FC**  
ISO 9001

## Specifications

Model	TS-6020EHPSC	TS-6020EPSC	TS-6020HPSC	TS-6020PSC
Scanning system	NTSC		PAL	
Image sensor (device)	SONY EXVIEW HAD Ultra High Sensitivity CCD Sensor			
Image size	1/3" (approx. 4.8 mm 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)	0.01 Lux	0.01 Lux	0.05 Lux	0.05 Lux
Light Wave length	400-850 nm (Infra-red)	400-850 nm (Infra-red)	400-700 nm	400-700 nm
Optical black elements	Horizontal	3 : in front , 40 : in back		
	Vertical	12 : in front , 2 : in back		
Synchronizing system	Internal Sync .			
Interface	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	AIW 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				
Operating temperature	Temperature: 10°C to +50°C, Humidity : within 90% RH			
Storage temperature	Temperature: 20°C to +70°C, Humidity : within 70% RH			
Power Supply	DC Power Supplied From Coaxial cable Power Supply Unit /DC+12V			
Power consumption (approx.)	3W			
Dimensions (approx.)	110mm(L) x 32mm(DIA)			
Weight (approx.)	2.2Kg			
Accessories & Weight	RU-58U x 30M			
	Mounting Bracket			
	Coaxial cable power supply			

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1/3"	TS-6020EHPSC	TS-6020EPSC	TS-6020HPSC	TS-6020PSC	ONE CABLE DC+12V
1/3"	TS-6021EHPSC	TS-6021EPSC	TS-6021HPSC	TS-6021PSC	
Resolution	480 TVL	420 TVL	480 TVL	420 TVL	
Min illumination (F2 AGC ON)	0.01 Lux	0.01 Lux	0.05 Lux	0.05 Lux	
Light	EXVIEW CCD	EXVIEW CCD			
Wave length response	400-850nm Infra-red Wave length	400-850nm Infra-red Wave length	400-700nm	400-700nm	

## Coaxial cable Power Supply Specification

To Camera	VSI.0. Vp-p/75 ohm
To Monitor	VSI.0. Vp-p/75 ohm
Camera Power Supply System	DC Constant Current Over Coaxial cable
Maximum Cable Length	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/60,50 Hz , 230V AC/50,60Hz
Dimensions	106 mm(W) x 44mm(H) x 9.6mm(D)
Weight (approx.)	600g

