

Specifications

Model	COLOR SUBMERGIBLE CAMERA W/Effio-E DSP			
Image sensor (device)	SONY EXVIEW HAD Ultra High Sensitivity CCD Camera			
Image size	1/3" (approx. 4.8mm x 3.6mm)			
DSP	Effio-E DSP			
Chip size	6.0mm (H) x 4.96mm (V)			
Scanning system	NTSC or PAL system as optional			
Model Number	AC	TS-6020EHPSC	TS-6020HHPSC	TS-6020HPSC
	DC	TS-6021EHPSC	TS-6021HPSC	TS-6021HPSC
		(Super) High Resolution & Ex-View	High Resolution & Ex-View	(Super) High Resolution
Picture element	PAL	1020(H)x596(V)	795(H)x596(V)	1020(H)x596(V)
	NTSC	1020(H)x508(V)	795(H)x508(V)	537(H)x508(V)
Horizontal Resolution	680 TVL	600 TVL	680 TVL	520 TVL
Minimum illumination	0.005 Lux	0.005 Lux	0.01 Lux	0.01 Lux
Light Wavelength	400-850nm Infra-red		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	3.6mm, 6mm, 8mm, 12mm			
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 Coaxial cable Power Supply Unit /DC+12V			
Power consumption (approx.)	1.2W			
Constant Current	AC / One Cable Type : Not Exceed 100mA			
Dimensions (approx.)	110mm(L) x 32mm(DIA)			
Weight (approx.)	2.2Kg			
Accessories	RG-58U x 15M or 30M cable as optional Mounting Bracket Coaxial cable Power Supply			

IR-Wave Ni-Vision Digital CCD Color Camera

	(Super) High Res. &Ex-View	High Res. &Ex-View	(Super) High Resolution	High Resolution	POWER SOURCE
1/3"	TS-6020EHPSC	TS-6020EHPSC	TS-6020HPSC	TS-6020HPSC	One Cable
1/3"	TS-6021EHPSC	TS-6021EHPSC	TS-6021HPSC	TS-6021HPSC	DC+12V
Resolution	680 TVL	600 TVL	680 TVL	520 TVL	
Min illumination	0.005 LUX	0.005 LUX	0.01 LUX	0.01 LUX	
Light	EXVIEW CCD	EXVIEW CCD			
Light Wave length	400-850nm Infra-red Wave length	400-850nm Infra-red Wave length	400-700nm	400-700nm	

Coaxial cable Power Supply Specification

To Camera	VS1.0.Vp-p/75 ohm	
To Monitor	VS1.0.Vp-p/75 ohm	
Camera Power Supply System	DC Constant Current Over Coaxial cable	
Maximum Cable Length	RG-58U	200M [Copper wire impedance 20Ω (ohm)]
	RG-59U	300M [Copper wire impedance 20Ω (ohm)]
	RG-6U	500M [Copper wire impedance 20Ω (ohm)]
Operating Temperature	Temperature:-15°C to +55°C	
Humidity	Less Than 90%	
Power Consumption(approx.)	3.5 W	
Power Requirements	110V AC/60,50Hz, 230V AC/50,60Hz	
Dimensions	106mm(L) x 44mm(H) x 96mm(D)	
Weight (approx.)	620g	

