

Specifications

Model		IR COLOR SUBMERSIBLE 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-6032EHHPSC	TS-6032EHPSC	TS-6032HHPSC	TS-6032HPSC
	DC	TS-6033EHHPSC	TS-6033EHPSC	TS-6033HHPSC	TS-6033HPSC
Picture element	(Super) High Resolution & Ex-View	High Resolution & Ex-View	(Super) High Resolution	High Resolution	
	PAL	1020(H)x596(V)	795(H)x596(V)	1020(H)x596(V)	537(H)x597(V)
Horizontal Resolution	NTSC	1020(H)x508(V)	795(H)x596(V)	1020(H)x508(V)	537(H)x508(V)
	680 TVL	600 TVL	680 TVL	520 TVL	
Minimum illumination	IR OFF	0.005 Lux	0.005 Lux	0.01 Lux	0.01 Lux
	IR ON	0 Lux	0 Lux	0 Lux	0 Lux
Light Wavelength		400-850nm Infra-red			
LED		54 Units			
Distance		60M	60M	50M	50M
IR power ON		Under 10 Lux By CDS Auto Control			
IR LED Character		Wavelength: 840nm Angle: 40deg Pw: 200mW			
Optical black elements	Horizontal	3: in front, 40: in back			
	Vertical	12: in front, 2: in back			
Synchronizing system		Internal Sync.			
Interface		2:1 interface			
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			
IR Cut Filter(option)		(option) - Built-in IR Cut filter (ICU function)			
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.)		4W			
Dimensions (approx.)		110mm(L) x 75mm(DIA)			
Weight (approx.)		2.9Kg			
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-6032EHHPSC	TS-6032EHPSC	TS-6032HHPSC	TS-6032HPSC	One Cable
1/3"	TS-6033EHHPSC	TS-6033EHPSC	TS-6033HHPSC	TS-6033HPSC	DC+12V
Resolution	680 TVL	600 TVL	680 TVL	520 TVL	
Min illumination	IR OFF	0.005 Lux	0.005 Lux	0.01 Lux	0.01 Lux
	IR ON	0 Lux	0 Lux	0 Lux	0 Lux
IR Power ON	Under 10 Lux By CDS Auto Control				
LED	54 Unit	54 Unit	54 Unit	54 Unit	
Distance	60M	60M	50M	50M	
IR LED Character	Wavelength : 840nm Angle : 40deg Pw : 200mW				
IR Cut Filter(option)	(option) - Built-in IR Cut filter (ICU function)				

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.)	6 W	
Power Requirements	110V AC/60,50Hz, 230V AC/50,60Hz	
Dimensions	218mm(L) x 96mm(H) x 44mm(D)	
Weight (approx.)	860g	

