

Pack 3 – 21CSHR Sony Super HAD 480TVL

Pack 4 – 21CSHRX Sony Super EXVIEW 480TVL

1/3" DSP Color higher grade Sony CCD, (Super HAD, EX-View HAD version)

It is the world's first High performance Color camera in a bullet style. It is noticeable in that the unit is used with the most high end 1/3" Color CCD chip set among the list of Sony grade. It is highly recommended for a special requirement where need more precise, more bright and high resolution

Lens Exchangeable

The smart idea with user friendly housing mechanism make it possible to adapt a wide range of different focal lens. Installer can change the lens with no special skill, very easily without changing the camera in order to fix the exact angle of view and suitable focal distance.

Condensation free

Our weatherproof versions provide a perfect solution for moisture leakage problem against any harsh weather condition. The camera is assembled in a clear vacuum status and further protected to stop moisture or water smearing into the camera under the continuous heating and cooling conditions by the fluctuating sunny and rainy weather.

Compact Size

Incorporating all innovative features, those are used with 1/3" CCD format and made with the world's smallest size.

Beautiful design

Our fine craftsmanship reaches not only to the picture quality and compact size but also to the products GD (Good Design). All we manufacture have their own unique face and shape firstly aiming to best fit to the environment decorable to any place.

Easy Installation

Universal type of mounting structure plus user friendly developed camera design provide a useful way of installation mountable to any place

Reverse Polarity protection built in

➔ Optional Features

Audio with C-Mic

Sunroof

➔ Specification

MODEL	21CWSHR
	21CWSHRX
Image sensor	Version "S" 1/3" Super HAD CCD Sony (Pack 3)
	"SX" 1/3" Ex-view HAD CCD Sony (Pack 4)
Min. Illumination	Version "S" 0.5Lux at F2.0
	"SX" 0.1Lux at F2.0
Effective Pixels	NTSC : 512(H)X492(V) PAL : 500(H)X582(V)
H.Resolution	480 TV Lines

Synchronizing system	Internal	
Scanning system	NTSC 525 Lines PAL 625 Lines 2:1 Interlaced	
Video output	1.0Vp-p Composite. 75 Ohms	
S/N ratio	More then 50 dB (AGC Off)	
BLC	Automatic	
Gain Control	4dB~30dB Auto	
Gamma correction	r=0.45	
White balance	Automatic	
Smear effect	0.005%	
Shutter Speed	NTSC : 1/60; 1/100,000 sec PAL : 1/50; 1/100,000 sec	
Lens	Standard	4.3mm (78 ϕ^a)
	Option	2.9mm, 3.6mm, 8mm, 12mm
MTBF	80,000 hours	
Power source	DC12V	
Operating current	90mA w / regulated 12VDC in	
Operating Temperature	14 ϕ^a F~122 ϕ^a F (-10 ϕ^a C~ + 50 ϕ^a C)	
Humidity	Within 90% RH	
Output Terminal	6 Foot DIY cable with BNC-Female for Video, DC Jack-Male for Power	
Measurement (mm)	21(D)x72(L)	
Weight(Approx.g)	134	
Optional Function1	External Audio with C-Microphone " - 35dB / mV "	