



SDR431U Series Color Camera

Vari-focal IR Vandal-proof Dome

ICR Day /Night Functionality



Specification

Signal system	NTSC	PAL
Image system		
Imaging area	4.9mm x 3.7mm	
Image pickup device	1/3" SONY CCD	
Effective pixels(HxV)	768 x 494	752 x 582
Electric		
Scanning system	2:1 Interlace V: 59.94Hz, H: 15.734KHz	2:1 Interlace V: 50Hz, H: 15.625KHz
Sync system	Internal	
Horizontal resolution	560 TV lines	
Built-in lens	f=3.7-12mm, F1.4 DC Iris Varifocal D/N Lens	
IRIS Control	DC Iris Driver	
View angle	Horizontal: 76.92°(wide) ~ 22.73°(tele), Vertical: 56.89°(wide) ~ 17.07°(tele)	
Gamma correction	0.45	
Minimum illumination	0.7 Lux (AGC ON)@50 IRE ; 0.01Lux (AGC ON)@10 IRE 0 Lux (IR LED Turn ON)	
S/N ratio	More than 50dB (AGC off)	
White balance	Auto: (2500°K - 9500°K)	
Electric shutter	1/60 sec.	1/50 sec.
UTP	Yes; 300M (985 ft.)	
Flicker Less	On / Off	
BLC	On / Off	
AGC	On / Off	
Day/Night Mode	ICR Day / Night (Auto)	
Video output	1Vpp composite output, 75 ohm	
Monitor output	1Vpp composite output, 75 ohm	
IR LED	High light LED X 18PCS	
IR wavelength	850nm	
IR distance	30-Meter(98-feet), based on object of view reflecting IR light	
IR turn on status	Under 10 lux by photo diode IC auto control	
LED life	More than 10,000 hours (50°C)	
Power supply		
Power requirement	DC12V/AC24V +/-10%	
Power consumption	7.0W (max.)	
Environment		
Operating temperature	-10°C ~ 50°C	
Operating humidity	30% ~ 90% RH	
Storage temperature	-20°C ~ 60°C	
Mechanism		
Dimensions(øxH)	150mm x 132mm (5.9" x 5.2")	
Weight	1150g approx.	
Vandal proof	1000Kg impact resistance	
Protection class	IP67	
Ordering information	SDR431U-HN5	SDR431U-HP5