


Datasheet: DS-AI7842RHSP

<b>Product Picture</b>	<b>Model</b>	DS-AI7842RHSP (IR 120m+Visible Light Camera)	DS-AI7842RHSP (Laser 500m+Visible Light camera)
	<b>Camera Module</b>		
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Effective Pixel	2MP	
	Minimum Illumination	Color: 0.01 Lux @(F1.2,AGC ON), B/W: 0.001Lux @(F1.2,AGC ON)	
	Shutter	1/3sec. - 1/100,000sec., support slow shutter	
	Day/Night	IR-cut filter with auto switch (ICR)	
	Digital Zoom	16x	
	Resolution	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	
<b>Product Highlight</b> <ul style="list-style-type: none"> <li>* Visible light 2MP, 4MP, 4K optional</li> <li>* Visible light 30X, 31X, 40X optional</li> <li>* Support Laser/Thermal/IR optional</li> <li>* Support mobile tracking, automatic reset function</li> <li>* Support advanced image noise reduction, perfectly display day and night video images</li> </ul>	<b>Lens</b>		
Focal Length	f = 4.7 ~ 141.0mm , 30x optical zoom		
Iris	F1.5~F4.3		
Close Focus Distance	100mm-1000mm (Wide-Tele)		
Zoom Speed	~ 3sec. (Optical, Wide, Tele)		
<b>Fill Light parameter (Integrated Zoom IR)</b>			
Fill Light Distance	120m	500m	
<b>Product Features</b> <ul style="list-style-type: none"> <li>* Humanized design, novel structure, eye-catching and cute appearance, easy to install and maintain</li> <li>* All-weather environmental design, adapt to the ambient temperature of -40°C ~ +60°C</li> <li>* High-strength aluminum alloy protective cover, anti-impact, anti-corrosion, protection level up to IP66, with wiper function</li> <li>* Pan: 360° endless, Tilt: (+85° ~ -40°)</li> <li>* Communication mode: RS485, BI-PHASE code, coaxial video control</li> <li>* Built-in multi-protocol conversion is fully compatible with the following protocols: PELCO-D, PELCO-P, KALATEL, AD, PHILIPS, etc.</li> <li>* Adopt IP66 all-weather protective enclosure, built-in automatic constant temperature device</li> <li>* Lightning protection: video, communication, and power access terminals are all designed with 2 ~ 3 levels protection circuits</li> <li>* Built-in 4000V lightning protection, anti-wave and anti-surge protection</li> </ul>	Fill Light Angle	5° - 60°	2.5° ~ 60°
Auto matching of movement magnification	support		
<b>PTZ Feature</b>			
Pan Range	360°continuous		
Pan Speed	0.4 ~ 80°/S		
Tilt Range	-40 ~ 85°		
Tilt Speed	0.4 ~ 40°/S		
Position Accuracy	0.1°		
Protocol/Compatibility	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, ONVIF compatible, GB/T28181		
Information Display	OSD time, OSD customized		
Encode Protocol	H.265 / H.264 / MPEG		
Audio Compression	G.711a / G.726		
Baud Rate	2400 / 4800 / 9600 / 19200bps		
Storage	Support Micro SD / SDHC / SDXC (128G) Disconnected local storage, NAS (NFS, SMB / CIF supported)		
<b>Order Type:</b>	Transmission/Drivepart	Synchronous belt drive/precision stepping motor	
DS-AI7842RHSP	<b>PTZ Interface</b>		
Video Output	RJ45		
<b>Outline Dimension:</b>	Control Interface	Coaxial system RS485	
External Input	Alarm Input x 2		
Output Port	Alarm output x 2 / Relay output x 1		
<b>Accessibility</b>			
Smart Wiper	Manual Control, Optional Speed, controlled via PTZ menu		
Fan/Heating	Real-time temperature detection, low temperature activated, purely physical detection		
<b>General</b>			
Power	AC24V / 3.0A		
Environment Temperature	-40°C ~ 60°C		
Environment Humidity	0 ~ 95% (no condensation)		
Protection Grade	IP66, built-in 4000V lightning-proof, surge-proof and wave-proof		
Dimension	328mm × 197mm × 438mm		
Weight	9.6Kg		

