Datasheet: DS-AI7982RHSP

Product Picture	Model	DS-AI7982RHSP (IR 120m+Visible Light Camera)	DS-AI7982RHSP (Laser 500m+Visible Light camera)
	Camera Module		
	Image Sensor	1/2.8" Progressive Scan CMOS	
	Effective Pixel	2MP	
	Minimun 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)	

Product Highlight

* Visible light 2MP, 4MP, 4K optional
* Visible light 30X, 31X, 40X optional
* Support 100-1000mm telephoto lens
* Night vision distance is more than 2000 meters (laser/thermal imaging *optional)
* Support 3 lens
* High-load, high-precision, high-reliability variable-speed heavy-duty PTZ
* Long night vision distance, auxiliary light source is not required, low power consumption, highly fog and dust penetration
* Suitable for monitoring of forests, grasslands, urban fire prevention, airport runways, coastal defense, border defense, open areas, etc.

Lens		
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)	

Fill Light parameter (Integrated Zoom IR)		
Fill Light Distance	120m	500m
Fill Light Angle	5° ～ 60°	2.5° ~ 60°
Auto matching of movement magnification	support	

Product Features

* Max. load 50kg, providing reliable power under extreme conditions such as heavy load, strong wind, freezing, lack of lubrication, etc.
* Speed rage 0.02 °/s ~ 48 °/s, to meet the different requirements of observation telephoto, wide angle, etc.
* Worm gear and stepping motor to ensure long working life and unbiased operation
* Humanized design, novel structure, easy to install and maintain, adapt to -40℃～+60℃ environment temperature
* High-strength aluminum alloy enclosure, anti-impact, anti-corrosion, protection grade IP66, with wiper function and built-in automatic constant temperature device
* Pan: 360° endless, Tilt: +60° ~ -60°
* Built-in multi-protocol conversion, fully compatible: PELCO-D, PELCO-P, KALATEL, AD, PHILIPS, etc.
* Lightning protection: video, communication, power access terminals, all designed with 2 ~ 3 levels protection circuits
* Built-in 4000V lightning protection, anti-surge and anti-surge protection

PTZ Feature		
Pan Range	360° endless	
Pan Speed	0.02 ～ 48°/S	
Tilt Range	-60 ～ 60°	
Tilt Speed	0.02 ～ 24°/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)	
Transmission/Drivepart	Synchronous belt drive/precision stepping motor	

Order Type:

DS-AI7982RHSP

PTZ Interface		
Video Output	RJ45	
Control Interface	Coaxial system RS485	
External Input	Alarm Input x 2	
Output Port	Alarm output x 2 / Relay output x 1	

Outline Dimension：

Accessibility		
Smart Wiper	Manual Control, Optional Speed, controlled via PTZ menu	
Fan/Heating	Real-time temperature detection, low temperature activated, purely physical detection	

General		
Power	AC24V / 3.0A	
Environment Temperature	-40℃ ~ 60℃	
Environment Humidity	0 ～ 95% (no condensation)	
Protection Grade	IP66, built-in 4000V lighting-proof, surge-proof and wave-proof	
Dimension	355mm x 212mm x 380mm (without shield)	
Weight	15.5Kg (without shield)	