



General Video Monitoring RP0

Product Specification

Version : Ver.1.0

Update Record

No.	Version	Update	Revise
1	Ver.1.0	Initial	2022.05.18

The document is subject to change without prior notice.

Function& Features

1. Support tripwire intrusion, area intrusion;
2. Support 20x optical magnification, 16x digital magnification;
3. Adopt 2 megapixel 1/2.8 inch CMOS sensor;
4. Support ultra-starlight level ultra-low illumination, colour: 0.005Lux@F1.6 black and white:
0.0005Lux@F1.6;
5. Support for H.265 encoding for ultra-low bitstream transmission;
6. Built in 100 meter infrared light fill, using a magnification and infrared light power matching algorithm for more uniform fill effect;
7. 360° continuous rotation in the horizontal direction and -15° to 90° automatic flip 180° in the vertical direction for continuous monitoring without blind spots;
8. Support f300 presets, 8 cruise paths and 5 trajectory paths;
9. Support IP66 protection class, 6000V lightning, surge and surge protection;
10. Supports DC12V $\pm 10\%$ wide voltage input.

Product Images



Product Parameters

Type	Parameters
Cameras	
Model	RP0
Type of sensor	1/2.8 inch CMOS
Pixels	2 MP
Maximum resolution	1920×1080
Electronic shutter	1/1s~1/30000s
Minimum illumination level	Colour: 0.005lux/F1.6 B&W: 0.0005lux/F1.6 0Lux (fill light on)
Maximum fill light distance	100m (infra-red)
Supplementary light control	Multiplier priority/manual/SmartIR/off
Number of fill-in lamps	3 pcs (infrared light)
Complementar	Infra-red

y light type	
Lens	
Lens focal length	4.7mm-94mm
Lens aperture	F1.6~F3.5
Field of view	Horizontal: 53.6° to 4.1° Vertical: 31° to 2.3° Diagonal: 60.1° to 4.6°
Optical magnification	20 times
Spotlight mode	Automatic / semi-automatic / manual
Close range	0.1m~5m
Variable speed	Approximately 3.0s
Cloud Platform	
Rotation range	Horizontal: 0°~360° continuous rotation Vertical: -15°~+90° automatic flip 180° after continuous monitoring
Keying speed	Horizontal: 0.1° - 80°/s Vertical: 0.1° - 80°/s
Preset point speed	Horizontal:80°/s Vertical:80°/s
Preset points	300 Po
Automatic cruising	8 strips with 32 preset points per strip
Automatic tracing	5 strips

Power-off memory	Support
Idle actions	Preset points; cruising; cruise trails;
Cloud Station Agreement	DH-SD Pelco-P/D(Auto recognition)
Timed tasks	Preset points; cruising; cruise trails;
3D positioning	Support
Smart Events	
Humanity test	Support
Professional Intelligence	
Perimeter precautions	Support tripwire intrusion; support for area intrusion;
Video	
Video compression standards	Smart H.265; H.265; Smart H.264; H.264; H.264B; MJPEG(Sub Stream)
Default code stream at default resolution	1024Kbps (1920 × 1080)
Video frame rate	Main stream (1920×1080@30fps), Main stream (1280×960@30fps), Main stream (1280 × 720@30fps) Secondary stream 1 (704 × 480@30fps),

	Secondary stream 1 (352×240@30fps)
Code stream control	Variable stream / Fixed stream
Day and night switch	ICR auto switching / electronic colour to black
Back light compensation	Support
Wide Dynamic	120dB
Strong light suppression	Support
White balance	Automatic / Indoor / Outdoor / Tracking / Manual / Sodium / Natural light / Street light
Gain control	Automatic/Manual
Noise reduction	2D noise reduction/3D noise reduction
ROI Area of interest	Support
ROI	
Digital multiplication	16 times
Signal-to-noise ratio	≥55dB

Network	
Network Interface	1 (RJ-45 network port, supports 10M/100M network data)
Network protocols	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; SSL; FTP; ARP; RTCP; RTP; IP Filter; RTMP
Access standards	CGI; SDK; ONVIF (Profile S&T)
Preview maximum number of users	20 (total bandwidth: 64M)
Storage functions	AIPS 4.0 cloud platform; FTP; Micro SD card (up to 512G supported)
Browser	Support IE7 or above (including IE7); support Google, Firefox, Apple and other non-IE browsers
Functions	
Regional Spotlight	Support
OSD information overlay	channel; time; preset point; temperature; head coordinates; zoom; due north; patrol track; geographical location;
Safety Mode	Authorised username and password ; MAC address binding ; HTTPS

	encryption; IEEE802.1x; network access control.
User Management	Support for a maximum of 20 users. Multi-level user rights management;
Interface	
Alarm interface	Image capture; video recording; emailing.

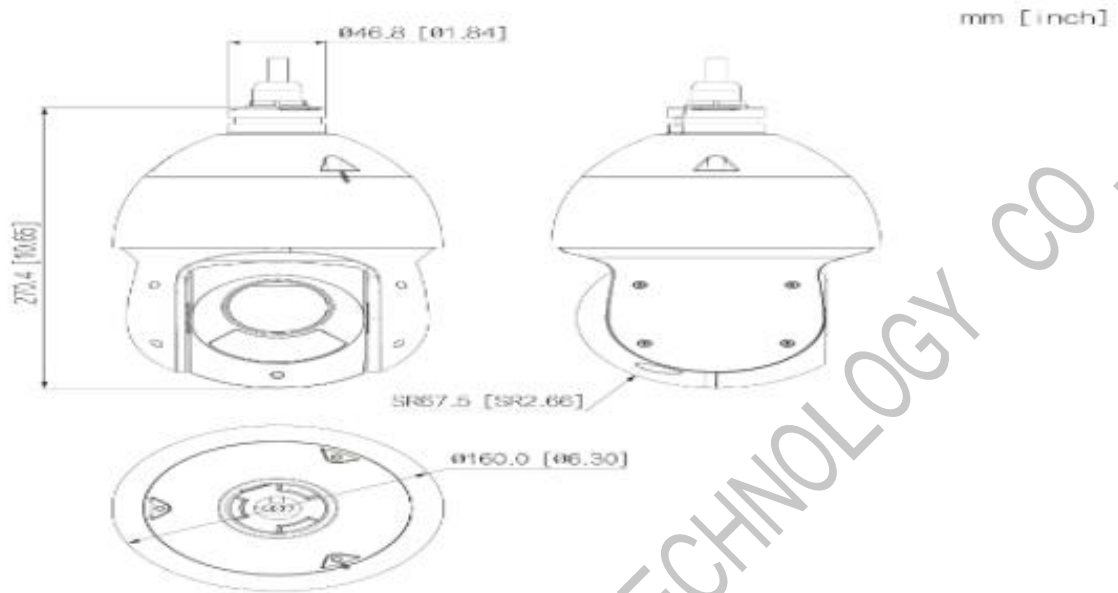
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Operating Parameters

Power	
Power supply method	AC24V/3A±25% (standard)
Power consumption	Basic power consumption: 6W Maximum power consumption: 17.8W (fill light, heater on)
Power supply	Standard
Environment	
Operating temperature	-40°C~+60°C
Operating humidity	≤95%
Protection level	IP66; TVS 6000V lightning, surge and surge protection
Structure	
Product dimensions	270.4mm×Φ160.0mm
Package size	212mm×212mm×378mm
Net weight	2.4kg
Gross weight	3.3kg

Mounting method	Wall-mounted ; suspended ; riser-mounted ; cross-mounted ; corner-mounted
Accessories	<p>Standard Power supply: Yes</p> <p>Optional Wall Mount: PFB305W (1.1.02.08.12325)</p> <p>Lifting and installation: PFB300C (1.1.02.08.11921) +PFA111 (1.1.02.08.11679)</p> <p>PFB301C (1.0.99.44.10076) +PFA111 (1.1.02.08.11679)</p> <p>Standing Pole Mount: PFA150 (1.1.02.08.12148) +PFB305W (1.1.02.08.12325)</p> <p>Crossbar mounted: PFA150 (1.1.02.08.12148) +PFB300C (1.1.02.08.11921) +PFA111 (1.1.02.08.11679)</p> <p>Corner loading: PFA151(1.1.02.08.12463)+PFB305W (1.1.02.08.12325)</p>
Filter items	
Ball machine size	4 inches
Interface types	RJ45 interface
H.265	Support
Starlight Rating	Starlight

Dimensional Drawings



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