

Model: PBUV120

Ultra Long Range Night Vision Observation Platform

FEATURES

4 MP - Ultra Long Range with 120X Zoom
Over 14 Km Detection and 3Km + Night Vision
Designed for Extreme Weather Condition
Rugged - High Stability Pan & Tilt - Wind resistant
High Speed Positioning Accuracy - 80Kg Load support
Fan - Wiper & Heater Options
-30 to +65 Degree Operation
Mil Standard Connectors

PICTURE



SPECIFICS	
Model	PBUV120
Effective Distance	
Vehicle (2.3*2.3m)	Detection: 10km; Identification: 5km
Human (1.8*0.6m)	Detection: 8km; Identification: 4km
Night Vision	3km
Visible Camera	
Sensor	1/1.8" Star Level CMOS, Integrated ICR Dual Filter D/N Switch
Resolution	2560x1440
Min. Illumination	0.0005Lux(Color), 0.0001Lux(B/W)
Shutter	1/25s to 1/100,000s; Supports delayed shutter
Aperture	PIRIS
Day/Night Switch	IR cut filter
Digital zoom	16X
SD Card	Support
Visible Lens	
Optical Lens	10~860mm, 86X
Aperture Range	F2.1-F11.2
Horizontal Field of View	38.4~0.49°(wide-tele)
Minimum Working Distance	1m-10m (wide-tele)
Electronic Image Stabilization	Support
Optical Defog	Support
Focus Control	Manual/Auto
Image	
Zoom Speed	Approximately 8s(optical lens, wide-tele)
Main Stream	50Hz: 25fps (2560x1440, 1920 x 1080, 1280 x 960, 1280 x 720); 60Hz: 30fps (2560x1440, 1920 x 1080, 1280 x 960, 1280 x 720)
Image Settings	Saturation, Brightness, Contrast and Sharpness can be adjusted via the client-side or browser
BLC	Support
Exposure Mode	AE / Aperture Priority / Shutter Priority / Manual Exposure
Focus Mode	Auto / One step / Manual/ Semi-Auto
Area Exposure / Focus	Support
Image Stabilization	Support

Day/Night Switch	Automatic, manual, timing, alarm trigger
3D Noise Reduction	Support
Laser	
Laser Light	20W
Wave Length	808±3nm
Night Vision	3km
PTZ	
Patrol	6*patrol route, 1* patrol line
Rotation	Pan: 0~360°, tilt: -45~+45°
Speed	Pan: 0.01~15°/S, Tilt: 0.01~7°/S
Preset	255
Enhance	Fan/Wiper/Heater attached
Video Audio	
Visible Resolution	2560x1440, 1920x1080;1280x1024;1280x960;1024x768;1280x720; 704x576;640x512;640x480;400x300;384x288;352x288;352x240
Record Rate	32Kbps~16Mbps
Audio encoding	G.711A/ G.711U/G726
OSD settings	Support OSD display settings for channel name, time, gimbal orientation, field of view, focal length, and preset bit name settings
Interface	
Ethernet	RS-485(PELCO D protocol, baud rate 2400bps),RS-232(optional),RJ45
Protocol	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, ONVIF
Video Output	PAL/NTSC
Power Supply	DC48V±10%
Compression	H.265 / H.264 / MJPEG
Environmental	
Working Temp	-35°C~+65°C
Storage Temp	-35°C~+75°C
Humidity	<90%
Ingress Protect	IP66
Housing	PTA three-resistance coating, Seawater corrosion resistance, Aviation waterproof plug (optional)
Anti-fog/salty	PH 6.5~7.2
Power Consumption	200W
Weight	50kg