



Key features of wide angle camera

- ❖ Support for 1280x720@30fps resolution.
- ❖ Supercapacitor protection ensures that regular work will not be affected in case of instantaneous power failure;
- ❖ Digital noise reduction; comprehensive dynamic function automatic exposure response algorithm; automatic white balance algorithm;
- ❖ Comply with IP54 waterproof and dustproof design, high reliability;
- ❖ Support for ONVIF version 2.4 with motion detection.
- ❖ Monitoring of fast moving objects and strong adaptability to fast and complex scene changes
- ❖ Anti-shake, wide dynamic, low light, backlight resistance, fault indication (blocking, loss of signal)



Specifications

Item		Specifications
Imaging lenses	Horizontal field-of-view angle	>110°
	Vertical field-of-view	>58°
	Focal length	2.8mm(typical)
Sensing parameters	Sensor Type	≥1/3"CMOS imaging target
	Shutter	1/50th to 1/100,000th of a second
	Imaging pixels	Progressive scan 1 million pixels or more
	Signal-to-noise ratio	>60dB
	Minimum Illumination	Colour: 0.05ux/F1.2; B/W: 0Lux (IR LED ON)
Video parameter	Wide Dynamic	Support
	White balance mode	Support



Wide angle camera

control	Backlight compensation method	Support
	Exposure mode	Support
Compression standard	Video Compression Standard	H.264
	Output stream	32Kbps~8Mbps, support fixed bit rate or dynamic bit rate adjustment
	Max. image size	1280*720
	Code Stream Type	Support for dual streams. Main stream: no less than 720P at 25fps Sub-stream: not less than D1, 25fps
Network functions	Support protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE,SMTP,NTP, SNMP, HTTPS, FTP, 802.1x,QoS(SIP,SRTP,Ipv6 可选)
OSD	Supports date, time, vehicle number and camera number	
Interface protocol	GB/T 28181-2011, ONVIF2.0 and customised protocols	
Alarm function	Provides alarm functions such as full video blocking and video loss	
Other functions	Supports dual-stream, anti-flicker, heartbeat signal, multi-level user management and password protection	
Security level	Explosion protection class	GB20138-2006 IK10
	Protection class	IP54 (front)
Power supply specification	Power supply	DC24V, allowing fluctuation in the range of DC20V~DC26V, can meet the requirements of train applications.
	Power consumption	Less than 7W



Wide angle camera

Overall weight	Less than 1kg
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Camera-server interface

No.	Interface	Pin No.	Definition of a power cable	Definition of usage	Interface type
1	X1	1	+24V	Server powering the camera	Terminals
		2	-24V		
2	X2	1	TX+White Orange	Camera-server communication	DB9 Connector. The device end uses a male connector, and the vehicle wiring uses a female connector (shielding connected to the shell)
		2	TX-Orange		
		3	RX+White Green		
		6	RX-Green		

Dimensions

