

MD50C27 Product Description



5 megapixel high-definition IP camera

I. Features

- Supports 2560*1920 @ 30fps resolution (5MP);
- Super-capacitor protection to ensure normal operation of the device when there is momentary power failure;
- Auto day/night switch;
- Equipped with high-power IR LED lamp. Effective IR fill light range is over 30m;
- Supports digital noise reduction and digital WDR;
- Supports auto exposure response algorithm and auto white balance algorithm;
- Supports shutter speed settings and auto capture of license plate;
- Supports G-sensor to automatically sense image flip without manual settings, which is user-friendly;
- Supports IR-on function of the temperature sensor. The IR lamp is automatically on when the temperature is below 5°;
- Supports H.264/H.265 encoding and N9M protocol;
- Supports PON (DC12V)/POE (48V);
- Consistent with the vehicle anti-vibration design. IP67 and IK10 are available.

II. Specifications

Model	MD50C27
Image sensor	1/2.7" 5megapixel progressive scan CMOS (OV05A20)
Effective pixel	2560(H)x1920(V)
Minimum illumination	Color: 0.1Lux/F1.2; Black and white: 0Lux (IR LED ON)
Shutter speed	Fixed shutter of day mode: 300us-1500us; day mode: 100us-800us
Backlight compensation	Supported (off is by default)
S/N	≥50dB
IR range	>30m
Lens	16mm M12 lens, fixed aperture F2.0/25mm M12 lens, fixed aperture F2.0
FOV	16MM lens: HFOV 24° VFOV 18° DFOV 29°/25MM lens: HFOV 11° VFOV 8° DFOV 14°
Video compression standard	H.264 (H.265 optional)
Video bitrate	512Kbps-20Mbps, 10Mbps is by default. Constant bitrate or dynamic adjustment of bitrate is supported
Image resolution	Main stream: 2560*1920(5MP)30fps downward compatible with 4MP/3MP/2MP/720P
	The default rate: 10Mbps
	Sub-stream VGA@30fps (CIF&D1 are optional) The default rate: 1Mbps
	Network transmission stream: dynamic (adaptive)
Rate control	VBR (default), CBR and AVBR optional
Exposure mode	The default: Auto. Shutter gain in the manual mode: 1/300~1/5000s
Audio input	No audio
Mirror/flip function	Supported (judge auto image flip and adjustment according to the G-sensor signal)
Network interface	10M/100M adaptive Ethernet interface
Network protocol	TCP/IP, HTTP, DHCP, RTSP, NTP, FTP
N9M	Supported
ONVIF	Supported
Client preview	Built-in WEB server. Support IE browser access
Mounting mode	Side mounting outside the vehicle
Adjustable angle	15°~45°adjustable vertically
Operating temperature	-40°C-- +70°C

Operating humidity	0% - 95%
Power supply	DC12V(PON)/POE(802.3af) optional.
IP rating	IP67
Explosive-proof rating	IK10
Overall power consumption	9.0W/IR ON 3W/IR OFF
Dimensions	113MM(L)x70MM(W)x68MM(H)

III. Structure Drawing

