



Network Camera

IP946C20

Specification (V1.0)

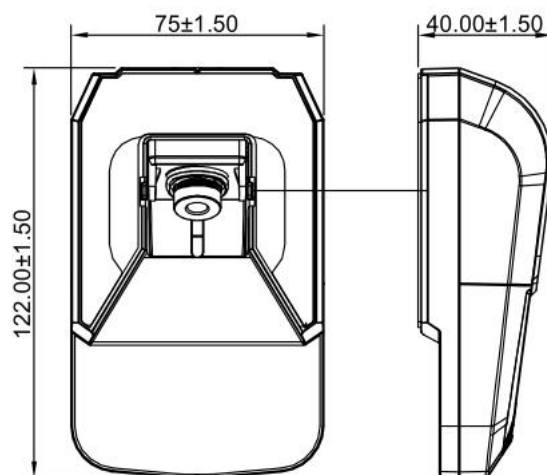


- 1/2.8" 2.13M pixel CMOS
- Supports mounting on car windshield
- Built-in supercapacitor for power failure protection
- Supports HTML5 and is compatible with Edge and Google Chrome browsers

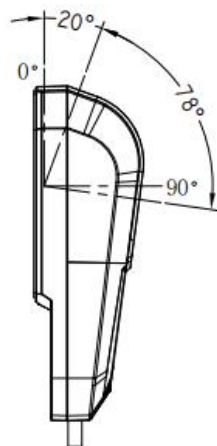
Specifications	
Name	Parameter
Product Model	IP946C20
Resolution Ratio	1920H*1080V
Sensor Type	1/2.8" 2.13M pixel CMOS
Minimum Illumination	0.05lux (colour)
Lens/FOV	Support: 2.8mm, 4mm, 6mm, 8mm 2.8mm=H*V120°*60° supports glass with a slope of 70°-90° 4mm = H*V89° 46° supports glass with a slope of 50°-90° 6mm = H*V 54° 29° supports glass with a slope of 22°-90° 8mm = H*V 41° 23° supports glass with a slope of 19°-90°
Shutter Speed	1/30s to 1/50,000s (automatic shutter)
Video Resolution / Frame Rate	Main stream: 1080P/720P @30FPS Default 1080P @30FPS
	Subcode stream: VGA/D1/CIF @30FPS default VGA @10FPS
	Network streaming code: VGA/D1/CIF@30FPS default VGA @10FPS
Video Bit Rate	Main stream: 1024Kbps-8192Kbps Sub stream: 640Kbps-2048Mbps
Audio Compression standard	G.711A, G.711U, ADPCM Default G711A
Network Port	10M/100M adaptive Ethernet port
Network Protocol	TCP/IP、HTTP、DHCP、NTP、FTP、ONVIF
Coding Mode	Supports CBR/VBR with default VBR
Signal-to-Noise Ratio S/N	≥ 50dB
Scanning System	Progressive scan

Synchronous System	Inter-sync
White Balance	Supported
Automatic Gain	Supported
3D Noise Reduction	Supported
Backlight Compensation	Supported
Power Source	PON (DC9-16V) /POE(DC37-58V)
Power Consumption	PON<2.5W POE<3.5W
Operating Temperature	-40°C~ 70°C(-40°F ~ +158°F)
Operating Humidity	Less than 90% (no condensation)
Protection Rating	L22mm × W75mm × H40mm (L4.80" × W2.95" × H1.57")
Product Dimension	L166mm × W90mm × H112mm (L6.54" × W3.54" × H4.41")
Net Weight	231g(0.51lb)
Gross Weight	297g(0.65lb)

Dimension Diagram

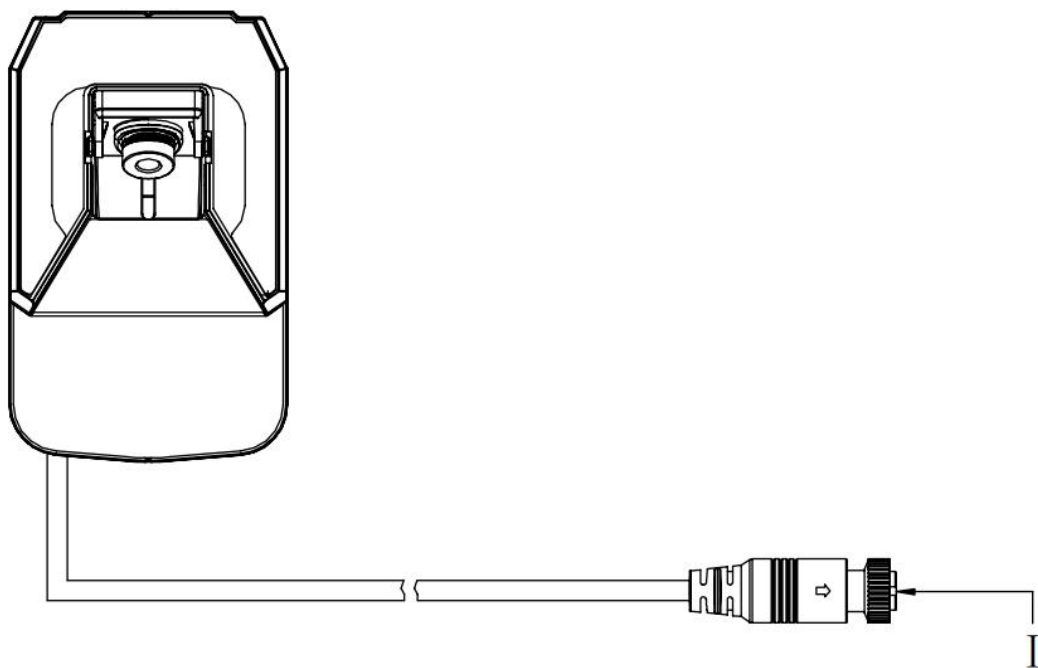


Product size diagram

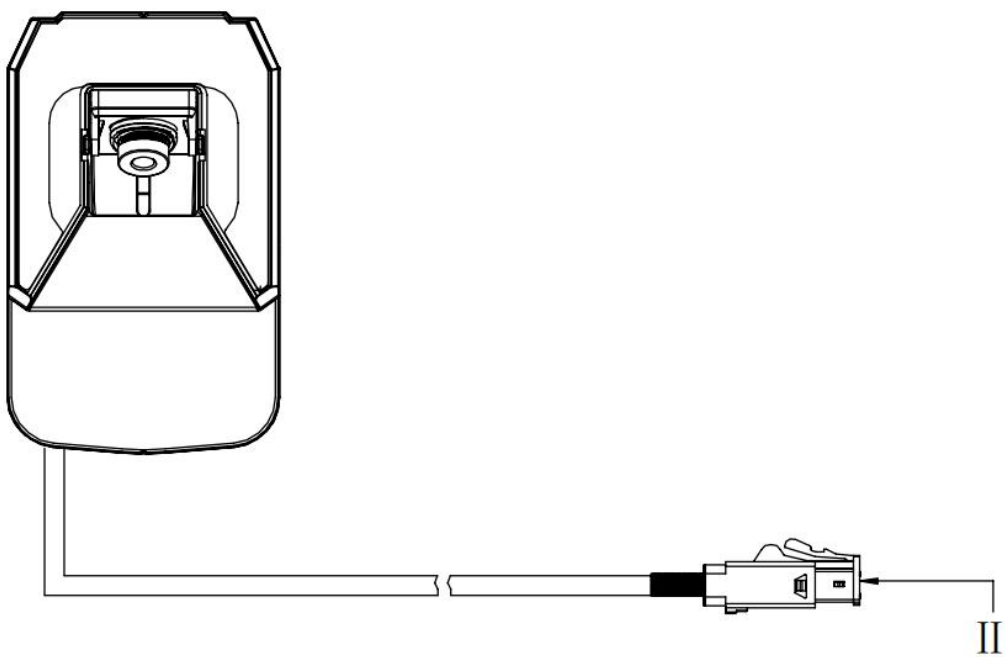


Adjustable Angle diagram -- vertical 20°-98°

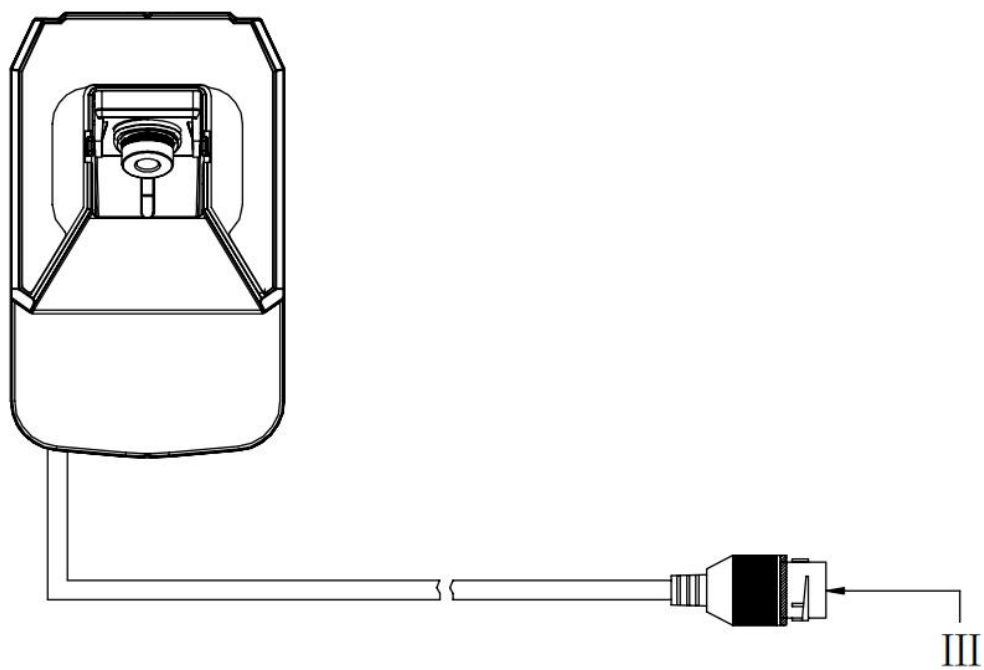
Cable Details



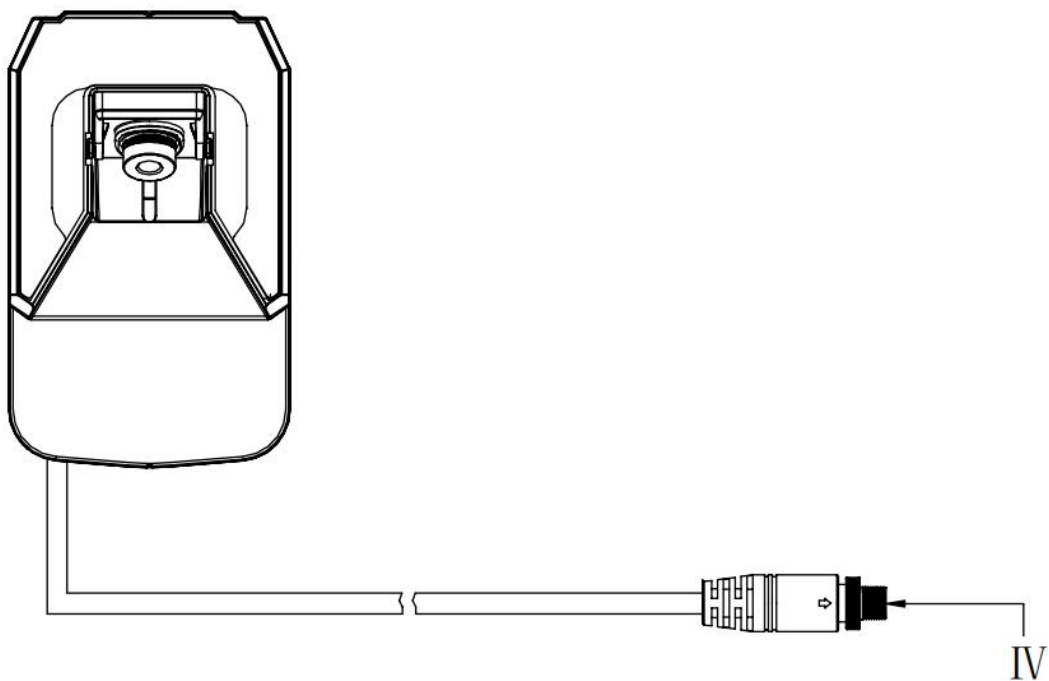
PON standard 6-core aviation head -- Default 0.5 m (tail line length)



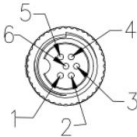
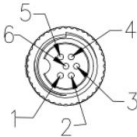
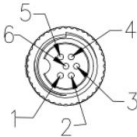
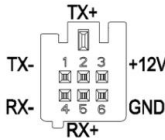
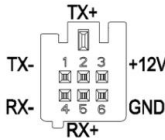
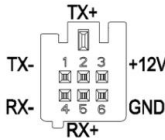
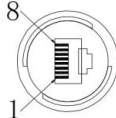
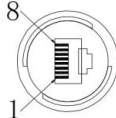
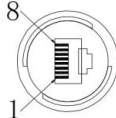
PON in-car video connector -- Default 0.5 m (tail wire length)

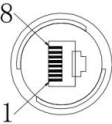
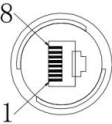
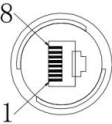
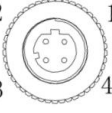
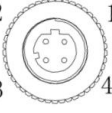
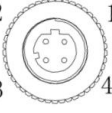


PON/POE standard RJ45 connector -- Default 0.5 m (tail wire length)



POE standard M12 4-pin connector --- Default 0.5 m (tail wire length)

order	name	description																
I	PON 6-pin aviation head output interface	<table><tr><th>Line order</th><th>No.</th><th>Name</th></tr><tr><td rowspan="6"></td><td>1</td><td>TX -</td></tr><tr><td>2</td><td>TX +</td></tr><tr><td>3</td><td>12V</td></tr><tr><td>4</td><td>RX -</td></tr><tr><td>5</td><td>RX +</td></tr><tr><td>6</td><td>GND</td></tr></table>	Line order	No.	Name		1	TX -	2	TX +	3	12V	4	RX -	5	RX +	6	GND
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