

Xignal C814 Vehicle PTZ Camera

The fast, light PTZ in the range. It sweeps to a preset at 300 degrees per second, three times the speed of the larger head, on a 2.5 kilogram dome that mounts on a shock absorbing base. IP66 with a wiper, lightning and surge protection, and a coaxial HD path that reaches the recorder without any compression.

**300°/s****PRESET SPEED**

Three times the larger PTZ head

360°**PAN RANGE**

Endless rotation, +90 to -20 tilt

2.5 kg**WEIGHT**

Cast aluminium alloy shell

IP66**SEALED**

With a wiper and surge protection

256**PRESETS**

Plus 6 cruise tracks and a pattern scan

80 m**INFRARED**

Array IR, 30,000 hour rated

MAIN FEATURES

- Reaches a stored position at 300 degrees per second, three times the larger PTZ head
- 360 degree endless pan with +90 to -20 tilt, driven at up to 220 degrees per second
- 256 preset positions held through a power cut and restored on power up
- 6 cruise tracks, 4 line scanning commands, 1 pattern scan and a home position
- 0.9 degree precision motor, smooth at low speed and without jitter
- Cast aluminium alloy shell, impact and corrosion resistant, 2.5 kg
- IP66 with a wiper, three grades of lightning protection and surge protection
- Shock absorption built into the base, matched to a vehicle roof bracket
- Array infrared night vision to 60 to 80 metres, rated to 30,000 hours
- Coaxial AHD, CVI or TVI with no coding compression, or IP with ONVIF

Figures published by the manufacturer. Two things to read carefully. There is no published subject auto-tracking on this camera: what it does is programmed movement, 256 presets with 6 cruise tracks, 4 line scans and a pattern scan, which is a different thing and is set out in its own section above. And there is no published optical zoom factor, dimension set, input voltage or power draw, so we will get any of those confirmed in writing rather than estimate them. Where a figure reads Not published, the manufacturer does not state it, which is not the same as the feature being absent.

Specify it against your fleet

Tell us the vehicle type, how many cameras each vehicle needs, whether live 4G view is required, and how long footage has to be retained. We quote the recorder, the cameras, the installation and the server behind it as one system.

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FULL SPECIFICATIONS

MOVEMENT

Pan range	360 degrees, endless rotation
Tilt range	+90 to -20 degrees
Pan preset speed	300 degrees per second
Tilt preset speed	120 degrees per second
Pan control speed	0 to 220 degrees per second
Tilt control speed	0 to 90 degrees per second
Motor	0.9 degree precision, smooth at low speed and without jitter
Processor	Integrated 8-bit, for low power draw and stability

PROGRAMMED MOVEMENT		
Preset positions		256, held through a power cut and restored on power up
Cruise tracks		6
Line scanning		4 commands
Pattern scan		1
Home position		Returns to a preset, a line scan or a track on its own
Subject auto-tracking		Not published
CAMERA AND NIGHT VISION		
Video out		Maximum 1080P
Sensor		Megapixel digital high definition movement and HD sensor, compatible with mainstream HD platforms
Coaxial HD		AHD, CVI or TVI to a coaxial recorder, with no coding compression on the way
Infrared night vision		Array infrared, multi-angle, 60 to 80 metres, rated to 30,000 hours
Optical zoom		Not published
Frame rate		Not published
CONTROL AND INTEGRATION		
Control		RS485 with 16 built-in protocols, baud rate 2400 to 19200
Interface protocols		ONVIF, PSIA, CGI and ISAPI
Network protocols		TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS and IPv6. SIP and SRTP at order
Video compression		H.265 or H.264
Audio compression		G.722.1, G.711 a-law, G.711 u-law, MP2L2, G.726, AAC and PCM
Output rate		32 Kbps to 12 Mbps
Storage		MicroSD card in the camera
Alarms		Motion detection, mask alarm, memory full and memory error
HOUSING AND ENVIRONMENT		
IP rating		IP66
Wiper		Fitted
Shell		Cast aluminium alloy, impact and corrosion resistant
Components		Industrial grade throughout, for severe weather
Lightning protection		Three grades, with surge protection
Shock absorption		Built into the base, matched to a vehicle roof bracket
Operating temperature		-35 °C to +55 °C
Relative humidity		Under 90%
Impact resistance		4G or better
Weight		2.5 kg
Mounting		A range of options depending on the vehicle
Dimensions		Not published
Input voltage		Not published
Power consumption		Not published