

6MP 6" PTZ IP Camera — 20X Zoom

Model: EV-MPC-PTZ90-20X-5-F

H.265/S265 6MP, 6 AI, 6-inch 20X zoom, 4-bullet + 1-dome panoramic, bullet-dome linkage alert tracking, high-speed dome IP camera with warm light, built-in microphone and built-in TF card slot. The 4 bullet cameras (each with an F1.0 6mm fixed lens) combine for a 240° (60°×4) panoramic view with 5 IP / 5-image stitching, while the high-speed PTZ dome delivers 20X optical zoom tracking for detailed, linked alerts.



Key Features

- Resolution up to 3072×2048 @25fps (and 7 other selectable resolutions down to 1920×1080 @25fps)
- 6-inch professional engineering dome, metal housing, downward-facing lighting design, IP66
- Night vision distance up to 150 meters
- Professional high-speed motor: 360° unlimited rotation, continuous cruise, 240°/s rotation speed
- Auto-identifies PELCO-D, PELCO-P and other communication protocols
- Settings retained after power failure; built-in anti-surge and anti-lightning protection
- 255 freely-stored preset positions with accurate positioning
- Cruise line, automatic line scanning, and guard-position functions
- Built-in AI: line-crossing detection, vehicle retrograde, staff absence, loitering, area intrusion, vehicle illegal parking
- S265 efficient compression to save bandwidth and storage
- Smart IR to prevent infrared overexposure at night; ICR auto day/night switching
- 3D digital noise reduction
- Built-in microphone and TF card slot, with P2P support
- Standard ONVIF access and NTP service support

Technical Specification

Category	Item	Specification
Basic Parameter	Model	EV-MPC-PTZ90-20X-5-F
	Smart Function	6 AI function
	Main Chipset	T41NQ
	Image Sensor	1/2.7", 6MP progressive scan ultra-low illumination CMOS S6Y
	Effective Pixels	8MP
	Min. Illumination	Color: 0.1Lux@F1.2; B&W: 0Lux@F1.2 (IR on)
	Lens	20X
	Focal Length	5.6–99mm
	Aperture Value	F1.6–F2.7
	Horizontal View Angle	55.4° (Wide) / 2.9° (Tele)
	Near Focus	100mm ~ 1000mm (N ~ T)
	Zoom Speed	5s (Optical, Wide angle–Telescope)
	IR Distance	150M (10 lamps)
	Noise Reduction	3D noise reduction
	WDR	DWDR (Off / Low / Medium / High)
	Mirror	Off / Horizontal mirroring / Vertical mirroring / 180° rotation
	Image Setting	Brightness / Contrast / Sharpness / Saturation / Chroma
PTZ Parameter	Manual Rotation Speed	Horizontal: 0.05 ~ 240°/s; Vertical: 0.05 ~ 200°/s
	Horizontal Rotation Range	Horizontal 0 ~ 360° continuous rotation
	Vertical Rotation Range	Vertical 0 ~ 90°
	Control Method	RS485 / TTL optional
	Automatic Cruise	2 cruises; preset points duration time and cruise speed adjustable
	Auto Line Scan	4 levels adjustable

Category	Item	Specification
	Two Points Scan	Set between A and B preset; 4-level scanning speed optional
	Proportional Deceleration	Supports intelligent focus / speed automatic matching technology
	Preset	256
	Idle Action	Supports 4 kinds of idle actions; idle time can be set
	Anti-lightning	Power connection port 3KV
	Power-off Protection	Automatically runs memory function; resumes pre-failure action after power failure
6 AI Function	Line-crossing Detection	Alarm triggers when someone crosses the drawn warning line
	Vehicle Retrograde	Alarm triggers when a vehicle travels in the opposite direction
	Staff Absence	Alarm triggers when someone leaves the area longer than the set time
	Loitering	Alarm triggers when someone stays in the area longer than the set time
	Area Intrusion	Alarm triggers when someone enters the set area
	Vehicle Illegal Parking	Alarm triggers when a vehicle parks longer than the set time in a no-parking area
Video and Audio Coding	Encoding Format	S265 / H.265 / H.264
	Coding Characteristics	Main stream: 3072×2048, 2592×1944, 2880×1620, 2688×1512, 2560×1440, 2048×1536, 2304×1296, 1920×1080 (all @25fps) Sub stream: D1 (720×576), VGA (640×480), Q720P (640×360), 864×480
	Video Bit Rate	Fixed bit rate, variable bit rate (1538kbps–8Mbps)
	Video Type	Composite stream / Video stream
	Audio Coding Standard	G.711U / 64Kbps
Network Function	Network Interface	1 × RJ45 10M/100M self-adaptive LAN port
	Network Protocol	TCP/IP, UDP, HTTP, DHCP, RTSP, NTP
	Interface Protocol	ONVIF
Port	Network Interface	RJ45 10M/100M network adaptive
	PoE	/ (Not supported)
	Audio	Built-in microphone (speaker not supported)
	TF Card Slot	Up to 512GB, Micro SD (EXT3/EXT4) local storage
General	Operation T/H	–20°C ~ 60°C / 0%–90%
	Waterproof	IP66
	Power Supply	DC 12V
	Power Consumption	< 10W (MAX)
	Dimension (mm)	Equipment: 229 × 229 × 282mm
	Weight/PCS (g)	N.W.: 3500g Packing: 4400g
	Outside Carton	4pcs/carton; 615mm × 615mm × 400mm; Weight: 18kgs