

Camera Specifications for Project Proponent

S. No.	Parameter	Requirement
1	Camera Type	PTZ (Pan-Tilt-Zoom) Network Camera
2	Resolution	Minimum 2MP (Recommended 4MP or higher)
3	Video Compression	H.264 / H.265 / H.265+
4	Frame Rate	Minimum 15-20 fps @ Full Resolution
5	Optical Zoom	Minimum 25x
6	Digital Zoom	Minimum 16x
7	Pan Range	360 Degree Continuous
8	Tilt Range	-15 Degree to 90 Degree
9	Night Vision	IR Minimum 100 meters
10	RTSP Requirement	Each camera must provide unique RTSP URL for live streaming access
11	Protocol Support	RTSP, ONVIF, HTTP, HTTPS
12	Network	RJ45 10/100 Mbps Ethernet
13	Internet Requirement	Minimum 10 Mbps stable connection per site
14	Weather Protection	IP66 or higher outdoor protection
15	Power	PoE+ or 24V AC
16	Operating Temperature	-10°C to +55°C

Note: Each installed camera must provide an accessible RTSP streaming URL to allow the central monitoring system and AI analytics engine to receive and process the live video feed. Additionally, every camera should support an auto-rotation feature.