

IP Camera Installation Checklist

Purpose

Use this checklist for every IP camera installation to ensure consistent, professional results.
Complete each section in order.

Pre-Installation

✓	Task	Notes
☐	Review site drawings / camera placement plan	Confirm FOV covers target area
☐	Confirm camera model and lens match job specs	
☐	Check PoE switch has available ports and power budget	PoE: 15.4W, PoE+: 30W
☐	Verify cable run path — no sharp bends, not near high-voltage	Max Cat6 run: 100m (328ft)
☐	Confirm mounting surface is structurally sound	Concrete anchor for concrete/block walls
☐	Have correct conduit / junction box if required	
☐	Have correct mounting hardware (wedge mount, pendant, surface)	
☐	Confirm camera firmware and VMS compatibility	

Cable Run

✓	Task	Notes
☐	Pull Cat5e/Cat6 cable from IDF/MDF to camera location	Label both ends

✓	Task	Notes
☐	Test cable with cable tester before terminating	All 8 pairs, check for opens/shorts/splits
☐	Terminate RJ45 using T568B standard	
☐	Punch down to patch panel at switch end	Label patch panel port
☐	Verify cable length does not exceed 100m total (cable + patch)	
☐	Weatherproof cable entry if outdoors (drip loop, silicone)	

Mounting

✓	Task	Notes
☐	Mark and drill mounting holes	Use camera base as template
☐	Install anchors / back box as required	
☐	Feed cable through mounting base	
☐	Mount camera — do not overtighten	
☐	Connect cable to camera (RJ45 or pigtail)	
☐	Seal cable entry if outdoor installation	Use manufacturer-supplied gasket or conduit fitting

Power-Up & Commissioning

✓	Task	Notes
☐	Plug into PoE switch — verify link light comes on	
☐	Camera powers on (status LED active)	Allow 2–3 min for boot
☐	Camera receives IP via DHCP or set static IP per project standards	
☐	Ping camera IP to confirm network connectivity	
☐	Add camera to VMS (Genetec, Milestone, Exacq, etc.)	

✓	Task	Notes
☐	Verify live video feed in VMS	
☐	Adjust lens / aim to cover intended FOV	Check image in VMS, not just physically
☐	Configure recording schedule and retention per client requirements	
☐	Verify recording is active and motion detection triggers correctly	
☐	Label camera in VMS with agreed naming convention	e.g. SITE-AREA-CAM01

Outdoor-Specific

✓	Task	Notes
☐	Confirm camera has appropriate IP66/IP67 rating for exposure	
☐	Apply drip loop to cable before entry point	
☐	Use conduit or corrugated loom on exposed runs	
☐	Tighten all weatherproof fittings / gaskets	
☐	Check for IR reflection from nearby surfaces (night mode)	

Final Sign-Off

✓	Task	Notes
☐	All cameras visible in VMS with correct names	
☐	Recording confirmed on all cameras	
☐	No loose cables or exposed wire runs	
☐	Cleanup completed — packaging, scrap cable disposed	
☐	Document IP addresses, MAC addresses, port assignments	

✓	Task	Notes
☐	Client walkthrough completed if required	

Revision #1
Created 2026-04-07 14:55:16 UTC by Ryan Walsh
Updated 2026-04-07 14:55:16 UTC by Ryan Walsh