

# Possibilities And Limitations Of Aerial And Thermal Photography

For Reference Only

Industry	Observable	Limited
Agriculture	Crop density, dead spots, erosion, feed, fences, irrigation, livestock, water sources	Bugs, fruit ripeness, humidity, livestock health, minerals, insects, vermin, fertility
Collections Fine Art	Colors, contour, subject, surface finesse, uniqueness, impression,	Age, demand, desirability, hidden details, history, value
Buildings Construction Demolition	Excavation, project stage, studs, rebar, equipment, power tools, materials, deployment, topology, proportions, workers, large bolts, structures, some hazards	Acute angles, small supplies, wrenches, nails, screws, level, accurate dimensions, unsecure items, humps, layout, cracks, underneath support
General Commerce	People, vehicles, wires, landscape, plants, proportions, surface condition, distortion, signs, street marks, most static objects, quantities, comparables, routinary presence, environment, conductive conditions, some risks	Small animals, vehicle brand, leaf form, dimensions, texture, subsurface material , cracks, documents, abrasion, quality, dark spaces, energy, random issues, value, habits, liability, facial recognition, most hazards
Inventories	Volume, machinery, boxes, storage, cases, bundles	Type of material, package contents, craftsmanship quality
Oil and gas Transportation	Pipe routing, tanks, valves, corrosion spots, smoke, flame, spills, workers, access, logistics, wells, trucks, machinery, rails, welds beads, containment moats and trenches, volumetric, evacuation routes, proximity	Heat, pressure, contamination, fatigue, elements, valve leaks, gasses, cracks, fumes, sparks, stock volume. alloy composition, bolts size, torque, illumination, confined spaces, corrosion deepness, steadiness, seals

Real Estate	Magnificese, neighborhood, accessibility, pools, backyard, most amenities, landscape, comparables, shade, fences, architecture, color harmony, trespassers, parking, easements	Confort, desirability, privacy, minor defects, mold, value, illumination, drainage, rotten wood, insurance, property owners attitudes, craftsmanship quality, obsolescence
Roof	Shield form, missing or damaged shingles, exposed tar or rubber, evaporators, ducts, objects, pitch, trash, char, hail impacts, conduit	Cracks, underneath support, deck, airflow, protruding nails, rotten wood, scratches, small openings, algae, brittleness
Thermal Images	Heat and cold air condition, fire, water leaks, overheated circuits, electrical motors, transformers, people, most animals, internal combustion, chemical reactions, ambient temperature, solar panels malfunction	Un-operated electrical or combustion equipment, insects, mold, gasses, underwater, underground, wind, scenes behind walls and glass, reflective surfaces, low radiation, illumination, light
Workforce	Use of PPE, handrails, safety marks, production, routines, sloppy and substandard jobs	Skills, safety procedures, absenteeism, supervision, personalities, habits
Utilities Telecommunications	Poles, wires, attachments, vegetation, inclination, power lines, gaywires, large switches	Electricity, grounding, aluminum corrosion, signal strength, wire capacities, insulation condition

This chart serves as a general guide for observable details and technical limitations of photos taken from a considerable distance to capture the whole scene at medium-resolution. Close-ups, higher-resolution, alternative techniques. or physical intervention is necessary to overcome some of the limitations. This is not an absolute list but it will help you to a great extent, determine if a Photo Report can meet your expectations. If you have doubts, please consult... 214-395-3412