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SANGGUNIANG PANLUNGSOD

City Government of Naga

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Ordinance No. 2025-XXX

AN ORDINANCE ESTABLISHING THE NAGA CITY SAFETY AND RESILIENCY INTERNET PROTOCOL (IP) CAMERAS PROGRAM WITH CITY-WIDE MONITORING, COVERING CRIME-PRONE, TRAFFIC-CONGESTION PRONE, FLOOD-PRONE, AND FIRE-PRONE AREAS, AS WELL AS CRITICAL INFRASTRUCTURES AND PUBLIC CONGREGATION SPACES, PROVIDING FUNDS THEREFOR, AND FOR OTHER PURPOSES:-

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WHEREAS, the City of Naga is recognized as the Pilgrim City of the Philippines and a major center of commerce, culture, and governance in the Bicol Region;

WHEREAS, public safety, peace and order, traffic management, disaster resilience, and protection of critical infrastructures are vital to sustain the welfare of its residents, barangays, and visitors;

WHEREAS, Republic Act No. 7160 (Local Government Code) authorizes LGUs to enact measures to promote the general welfare of their constituents;

WHEREAS, the installation of a **Citywide Internet Protocol (IP) Cameras Safety and Resiliency Network** to be linked to the **Center for Safety and Resiliency (CSAR) Command Center** will ensure effective monitoring, response, and coordination among peace and order enforcers, barangay peacekeepers, traffic units, and disaster management teams;

NOW, THEREFORE, be it ordained, as it is hereby ordained by the Sangguniang Panlungsod in session assembled:

SECTION 1. TITLE. This Ordinance shall be known as the **"Naga City Safety and Resiliency Internet Protocol (IP) Cameras Ordinance."**

SECTION 2. DECLARATION OF POLICY. It is the policy of City of Naga to harness technology for public safety, disaster

resilience, evidence-based enforcement, protection of property, efficient traffic management, and respect for the right to privacy consistent existing laws. The City Government, likewise, adheres to the DILG Memorandum Circular Order No. 2022-060, as well as Republic Act No. 10173 or the Data Privacy Act of 2012, and other relevant constitutional safeguards.

SECTION 3. COVERAGE.

This Ordinance shall cover all government owned and operated IP Cameras, to wit:

a) All 27 barangays of Naga City, with IP Camera installations in crime-prone, flood-prone, fire-prone, and traffic-congestion prone areas;

b) Critical government infrastructures including City Hall, hospitals, markets, transport terminals, and educational institutions;

c) Significant public congregation areas such as church vicinity, plazas, Naga City People's Mall, and critical procession/festival routes;

d) Major roads and highways within the jurisdiction of Naga City.

SECTION 4. TECHNICAL STANDARDS.

The IP Cameras system shall adopt the following minimum standards:

- All equipment shall be Open Network Video Interphase Format (ONVIF)-compliant and interoperable with the CSAR's Video Management System (VMS) with High-resolution (1080p or higher) cameras with night vision;
- PTZ cameras at major intersections and plazas;
- Weatherproof outdoor rating (IP66 or higher);
- Fiber and wireless integration to the CSAR Command Center;
- Storage redundancy (local + central servers);

SECTION 5. MANAGEMENT AND OPERATION. The CSAR Command Center shall serve as the central hub of the system, managed by the

City Government technical committee through PSO Central Communications Center (ComCen), in close coordination with the PNP, BFP, PSO, and barangay authorities. Barangay-level feeds shall be integrated into the CSAR network.

SECTION 6. SYSTEM INTEGRATION AND STANDARDS.

(a) The City shall adopt uniform technical specifications covering resolution, low-light performance, analytics, cybersecurity, power backup and Coder-Decoder (CODEC) Protocol, storage/retention, as approved by the IP Camera Technical Committee created under this Ordinance.

(b) Barangay-owned cameras may be federated into the CSAR subject to compliance with the City's minimum technical standards.

SECTION 7. DATA PRIVACY, ACCESS, AND RETENTION.

(a) The Program shall comply with RA 10173 (Data Privacy Act of 2012) and its IRR

(b) IP Camera footage shall be used strictly for public safety, disaster/emergency response, traffic management, and lawful investigations.

(c) Access shall be role-based, logged, and limited to authorized personnel.

(d) Retention: minimum 30 days for general sites and 90 days for high-risk or LPR-covered sites, unless footage is preserved for an ongoing investigation or case.

(e) The City Data Protection Officer (DPO) shall conduct privacy impact assessments, ensure signage at covered areas, and recommend safeguards.

(f) Requests for footage shall follow prescribed protocols, including lawful orders/subpoenas where applicable.

(g) Issuances of the National Privacy Commission, such as NPC Circular No. 2024-02 and other related issuances shall be adhered to.

SECTION 8. GOVERNANCE AND INTER-AGENCY COORDINATION.

(a) An IP Camera Technical and Oversight Committee is hereby created, chaired by the City Mayor or representative, SP Chairman on Peace and Order and Public Safety, and Public Safety

Office as the Vice-Chairperson and Secretariat, with members from PNP, BFP, PNP-TEU, PSO-COMCEN, MDRRMO, City Legal Office, and Liga ng mga Barangay.

(b) The Committee shall: approve site plans, technical standards, acceptance testing, Standard Operations Procedures (SOPs), Key Performance Indicators (KPIs), and annual investment priorities; and recommend updates to keep pace with technology.

(c) The Technical and Oversight Committee is authorized to update specifications through resolutions without amending the ordinance.

(d) The committee shall likewise be responsible for performance measurements and reporting; evaluation regarding constitutional and due process safeguards and shall decide on the implementation capacity in relation to budgeting.

SECTION 9. OPERATIONS AND MAINTENANCE.

(a) The CSRC shall house the 24/7 monitoring desk with PNP, BFP, TMC/PSO, and MDRRMO operators.

(b) The City may enter into service/maintenance contracts with performance-based SLAs for uptime, repairs, and preventive maintenance.

(c) Deliberate damage, theft, or tampering with IP Camera equipment is prohibited and shall be penalized as provided herein, without prejudice to criminal liability under existing laws.

SECTION 10. FUNDING AND APPROPRIATION

(a) Appropriation Clause. The amount necessary for the initial implementation of this Ordinance, including procurement of cameras, network, storage, VMS, command center equipment, and related civil/electrical works, shall be charged against available funds of the City Government of Naga.

(b) Thereafter, such sums as may be necessary for continued implementation, operations and maintenance, upgrades, and expansion shall be included in the annual budget of the City Government, providing funds therefor, and may draw from national grants, PPPs, donations, and other lawful sources.

SECTION 11. ANNEXES.

The following documents form part of this Ordinance as attachments, providing operational guidance and agreements for implementation.

- Annex A- IP Cameras Implementation Plan
- Annex B Memorandum of Agreement with Barangays

These annexes shall be referenced in the interpretation and implementation of this Ordinance but shall remain as separate documents for flexibility of amendment and operational updates. Amendments thereof may be effected through Executive Acts, provided such executive amendments or updates are reported to the Sangguniang Panlungsod.

SECTION 12. PROCUREMENT. Procurement shall comply with the Government Procurement Reform Act and may allow multi-year contracts, framework agreements, or lotting (by zones/technology) to optimize cost, ensure compatibility, and secure after-sales support.

SECTION 13. PENALTIES.

(a) Administrative fines of P5,000 per offense (if within LGU jurisdiction), and

(b) cost of repairs, if requirement for the repair of damaged camera or equipment, shall likewise be charged to the offender.

(c) Prosecution under applicable penal laws (e.g., malicious mischief, theft), without prejudice to civil damages.

Business establishments mandated under separate ordinances to connect/allow camera views but who willfully obstruct enforcement may be sanctioned per their permits.

SECTION 14. REPORTING AND KPIs. The Committee shall submit to the Sangguniang Panlungsod a semi-annual report containing installation progress, uptime, incidents detected/resolved, response times, and privacy compliance metrics.

SECTION 15. IMPLEMENTING RULES AND REGULATIONS (IRR). Within 60 days from effectivity, the Committee shall issue the IRR detailing technical standards, SOPs, request and release procedures for footage, data retention schedules, and monitoring/evaluation frameworks.

SECTION 16. SEPARABILITY CLAUSE- In the event that any section of this Ordinance shall be held unconstitutional or invalid, other sections which are not affected thereby shall continue to be in full force and effect.

SECTION 17. REPEALING CLAUSE- All ordinances, rules, and regulations or parts thereof in conflict with this Ordinance are hereby repealed, provided that the rights that are vested upon the effectivity of this Ordinance shall not be impaired.

SECTION 18. EFFECTIVITY- This ordinance shall take effect fifteen (15) days after its publication in newspaper of general circulation.

Enacted:

xxx xxx xxx

WE HEREBY CERTIFY to the correctness of the foregoing ordinance.

GIL A. DE LA TORRE

Secretary to the
Sangguniang Panlungsod

GABRIEL H. BORDADO, JR.

City Vice Mayor and
Presiding Officer

APPROVED:

MARIA LEONOR G. ROBREDO

City Mayor

ANNEX A – INTERNET PROTOCOL (IP) IMPLEMENTATION PLAN

NAGA CITY PLAN FOR IP CAMERAS INSTALLATION (GOVERNMENT OWNED AND OPERATED)

1. Objectives

- Enhance **peace and order monitoring** in crime-prone areas.
- Improve **traffic management** in congestion-prone junctions.
- Strengthen **disaster risk reduction** by monitoring flood-prone and fire-prone sites.
- Provide **24/7 surveillance** for critical government infrastructure and public congregation areas.
- Integrate all barangay-level IP Cameras feeds into the **future CSAR Command Center**, ensuring interoperability.
- Provide specification standards to ascertain usefulness, connectivity, and interoperability.

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2. Coverage (per Barangay & Citywide)

Each of the **27 barangays** will have at least:

- **4 crime-prone area cameras** (near schools, markets, terminals, critical alleys).
- **2 traffic-congestion cameras** (*major intersections, tricycle/jeepney terminals*).
- **1–2 flood/fire-prone cameras** (drainage chokepoints, waterways, densely packed settlements).
- **1 public facility camera** (barangay hall, covered court, plaza).

Citywide strategic locations:

- **Critical infrastructures:** City Hall, CSAR Command Center site, Naga City Hospital, Central Bus Terminal, People's Mall, City Market.
- **Public congregation areas:** Naga Metropolitan Cathedral, Peñafrancia Basilica, Plaza Rizal, Plaza Quezon of Naga, Plaza Quince Martires, and the Central Business Districts (CBDs).
- **Arterial highways:** AH26/Maharlika, Roxas Avenue, Magsaysay Avenue, Panganiban Drive.
- **Bridges & critical riverbanks** (Naga River; Bicol River).
- **Festival routes** (Peñafrancia procession corridors; main parade corridors).

Total Estimate:

- Barangay-level: ~350 cameras
- City strategic points: ~250 cameras
  Grand total: ≈ 600 high-resolution IP Camera units

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3. Technical Specifications (Recommended)

Considering budgetary capacity and future integration:

- **PTZ (Pan-Tilt-Zoom) Cameras (4MP–8MP, 20–30x optical zoom, IR up to 200m)**
    - For intersections, highways, riverbanks, plazas, and large congregation areas.
- **Thermal/Low-Light Cameras (2MP, IR up to 500m)**
    - For flood monitoring (night visibility on river/creek lines).
- **ANPR (Automatic Number Plate Recognition) Cameras** (at main city entry/exit points, transport terminals).

Key Features

- Resolution: **1080p minimum, 2K pixels preferred** (higher for PTZ strategic sites).
- Weatherproof: **IP66/IP67-rated** (outdoor use).
- Power: **PoE (Power over Ethernet)** preferred; solar + battery for remote.
- Storage: Local **edge storage (SD card 128GB)** + centralized server backup.
- Network: Fiber backbone where feasible, wireless mesh/4G/5G links for barangay cameras.
- *Smart AI Analytics: Motion detection, crowd density alerts, face recognition (future upgrade).*

System Integration

- **Video Management System (VMS):** centralized platform at CSAR with GIS-based mapping.
- **Scalability:** able to add barangay-level feeds (uplink to CSAR via Virtual Private Network (VPN)-secured fiber/wireless) protected from unauthorized access interception or hacking.
- **Redundancy:** mirrored servers, UPS backup, and generator support.

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4. Estimated Budget & Phasing

- **Phase 1 (Year 1–2):** 100 cameras (CBD, City Hall, Basilica, market, 5 critical junctions).
- **Phase 2 (Year 3–4):** 100 cameras (barangay halls, flood-prone zones, schools).
- **Phase 3 (Year 5):** 100 cameras (full barangay coverage, outer periphery roads).

Funding Sources: LGU budget (AIP), barangay shares, DILG peace and order funds, DICT smart city grants, PPP with telcos.

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5. Communication Links

- **Barangay Integration:** Each barangay to have a mini-monitoring station (1–2 screens, linked via VPN to CSAR).
- **Mobile Access:** CSAR + PSO + PNP + BFP to have secured app-based live view on tablets.
- **Radio Interlink:** IP Cameras alerts synchronized with existing handheld radios (UHF/VHF).

ANNEX B- MEMORANDUM OF AGREEMENT WITH THE BARANGAYS

MEMORANDUM OF AGREEMENT
Between the City Government of Naga and the Twenty-Seven (27) Barangays of Naga City

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This **MEMORANDUM OF AGREEMENT (MOA)** is made and entered into this ___ day of _____, 2025 at Naga City, Camarines Sur, by and between:

THE CITY GOVERNMENT OF NAGA, a local government unit duly organized and existing under the laws of the Republic of the Philippines, with principal offices at City Hall Compound, J. Miranda Avenue, Naga City, represented herein by its City Mayor, **HON. MARIA LEONOR G. ROBREDO**, hereinafter referred to as the **CITY;**

-and-

THE BARANGAY GOVERNMENTS OF NAGA CITY, composed of the duly constituted and recognized **twenty-seven (27) barangays**, each represented herein by their respective Punong Barangay, hereinafter collectively referred to as the **BARANGAYS.**

The CITY and the BARANGAYS may hereinafter be collectively referred to as the **PARTIES.**

WHEREAS:

- The CITY recognizes the importance of ensuring **peace and order, traffic management, disaster prevention, and community safety** through the establishment of a **Citywide Internet Protocol (IP) Cameras Surveillance and Safety Network**, to be centrally monitored at the **Center for Safety and Resiliency (CSAR) Command Center**;
- The BARANGAYS, being the frontline units of governance, are vital partners of the CITY in **public safety, incident monitoring, and community disaster preparedness**, and thus should actively participate in the planning, financing, operation, and maintenance of the IP Cameras system within their respective jurisdictions;
- The PARTIES mutually agree to establish a framework of **shared responsibility and co-financing**, allowing IP cameras installed in barangay areas to be linked and monitored by the CSAR, while also enabling **barangay-level monitoring and response capability.**

NOW THEREFORE, for and in consideration of the foregoing premises, the PARTIES hereby agree as follows:

ARTICLE I

Purpose
This MOA aims to institutionalize the cooperation between the CITY and the BARANGAYS in the establishment, operation, and sustainability of the Naga City Internet Protocol (IP) Cameras Surveillance and Safety Network, ensuring its effective utilization for peace and order, traffic management, crime prevention, disaster preparedness, and community safety.

ARTICLE II

Obligations of the CITY
The CITY shall:

1. **Install and integrate IP cameras** in strategic sites across the 27 barangays, in accordance with identified crime-prone, flood-prone, fire-prone, traffic-congestion prone, and public congregation areas;
2. **Provide the central monitoring hub** through the CSAR Command Center, which shall receive, record, and manage IP Cameras feeds from all barangays;
3. **Subsidize the cost** of camera acquisition, installation, network connectivity, and initial training of barangay personnel;
4. **Ensure interoperability** of the IP Cameras system with law enforcement agencies (PNP, BFP), traffic management units, and disaster response offices;
5. **Provide technical assistance and periodic upgrading** of IP Cameras equipment, software, and data security systems.

ARTICLE III

Obligations of the BARANGAYS
The BARANGAYS shall:

1. **Co-finance the procurement and/or maintenance** of IP cameras installed within their respective jurisdictions, in coordination with the CITY;
2. **Designate Barangay Monitoring Personnel** trained by the CITY to oversee localized surveillance, coordinate with CSAR, and respond to incidents at the barangay level;
3. **Allow integration of barangay IP Cameras feeds** into the CSAR Command Center for central monitoring, analysis, and archiving;
4. **Assist in incident verification and investigation** by providing ground-level support to authorized law enforcement, peacekeeping, and disaster prevention authorities, when so requested by the CITY;
5. **Ensure continuity of IP Cameras operations** by budgeting for electricity, minor repairs, and security of installed equipment;
6. **Promote data privacy and responsible use** of IP Camera footage, consistent with the **Data Privacy Act of 2012 (RA 10173).**

ARTICLE IV

Joint Responsibilities
The PARTIES shall:

1. Establish an **IP Cameras Operations and Monitoring Protocol** to define reporting procedures, escalation of incidents, and coordination during emergencies;

2. Hold **regular quarterly coordination meetings** between CSAR and barangay representatives to assess system performance and update coverage needs;
3. Develop **capacity-building programs** for barangay peacekeepers, traffic enforcers, and disaster response teams on how to effectively utilize IP Camera for community safety.

ARTICLE V

Funding

The Internet Protocol (IP) Cameras Surveillance and Safety Network shall be jointly funded through:

- Annual appropriations of the CITY, sourced from its general fund and/or special accounts;
- Appropriations of the BARANGAYS from their respective **Barangay Development Fund (BDF)** or other lawful sources;
- Possible grants, donations, or public-private partnerships secured jointly by the CITY and the BARANGAYS.

ARTICLE VI

Effectivity and Duration

This MOA shall take effect upon signing by the PARTIES and shall remain in force for **five (5) years**, renewable upon mutual agreement.

ARTICLE VII

Miscellaneous Provisions

1. **Separability Clause.** If any provision of this MOA is declared invalid, the remaining provisions shall continue to be in full force and effect.
2. **Amendments.** This MOA may be amended or supplemented by mutual consent of the PARTIES in writing.
3. **Termination.** Either party may terminate this MOA for just cause, provided written notice is served to the other party at least ninety (90) days prior to termination.

IN WITNESS WHEREOF,

the PARTIES have hereunto set their hands this ___ day of _____, 2025 at Naga City, Philippines.

SIGNATORIES

CITY GOVERNMENT OF NAGA

By:

HON. MARIA LEONOR G. ROBREDO
City Mayor

BARANGAY GOVERNMENTS OF NAGA CITY
By their respective Punong Barangays:

[List of the 27 Punong Barangays with signature lines]

_____

WITNESSES:

_____

_____

_____

ATTESTED BY:

_____

City Legal Officer