

Republic of the Philippines  
NATIONAL POLICE COMMISSION  
DILG-NAPOLCOM CENTER  
NAPOLCOM Bldg., EDSA cor. Quezon Ave.  
West Triangle, Quezon City 1104  
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RESOLUTION NO. 2015-021

PRESCRIBING THE MINIMUM STANDARD IN THE SPECIFICATIONS  
FOR CLOSED CIRCUIT TELEVISION (CCTV) WIRELESS  
INTERNET PROTOCOL (IP) EQUIPMENT

WHEREAS, Section 14, paragraphs (i) and (m) of Republic Act No. 6975, as amended by Section 5, paragraph (a), sub-paragraphs (5) and (8) of the Republic Act No. 8551, empowers the Commission to “approve or modify plans and programs on education and training, logistical requirements, communications, records, information system, crime laboratory, crime prevention and crime reporting as well as prescribe minimum standards for arms, equipment and uniforms and, after consultation with the Philippine Heraldry Commission, for insignia of ranks, awards and medals of honor”;

WHEREAS, pursuant to the aforecited legal prescription, the PNP Uniform and Equipment Standardization Board (UESB) Resolution No. 2014-111 on the proposed standard specifications for CCTV Wireless IP System for consideration and approval by the Commission to be used as basis in the procurement thereof;

WHEREAS, upon perusal the records, the absence of the “Wireless Access Point” (WAP) and/or router which are essential in the entire wireless system hence, should not be referred to as a “System” but only as “Equipment”;

WHEREAS, the PNP UESB has certified that the subject specifications is not tailored-fit to any manufacturers brand of product;

WHEREAS, after thorough review and evaluation, the Commission finds the proposed standard specifications for CCTV Wireless IP Equipment to be in order and in conformity with the requirement of Republic Act No. 6975 as amended by Republic Act No. 8551 the Government Procurement Act under RA No. 9481 and its Implementing Rules and Regulations (IRR), to meet the requirements of the Philippine National Police;

NOW, THEREFORE, the Commission, in the exercise of its constitutional power to administer and control the PNP, HAS RESOLVED TO PRESCRIBE, AS IT HEREBY PRESCRIBES by prescribing the minimum standards in the specifications for CCTV Wireless IP Equipment, to read as follows:

I. TECHNICAL SPECIFICATION

A. WIRELESS IP CAMERA (PTZ Type) INDOOR

- a) Camera Type : Dome/Bullet/ Box
- b) Image Sensor : 1/2" maximum to 1/3" minimum  
CMOS Sensor

- c) Signal System : NTSC
- d) Illumination : Color: 0.1-1.0 lux  
Black & White: 0-0.5 lux
- e) Image Frame Rate : 30fps
- f) Angle of View : 62.8° minimum
- g) Effective Pixel : 2MP
- h) Image Compression : H.264
- i) Audio Compression : G.726
- j) IR Visibility : 20 meters (minimum)
- k) Network Protocol : Manufacturer's Standard
- l) Operating System : Manufacturer's Standard
- m) Operating Temperature : 0°C to 55°C
- n) Lens Type : Manufacturer's Standard
  
- o) Weight : 2.3 kgs minimum
- p) Protection Rating : IP 66

**B. WIRELESS IP CAMERA (PTZ Type) OUTDOOR**

- a) Camera Type : Dome/Bullet/ Box
- b) Image Sensor : 1/2" maximum to 1/3" minimum  
CMOS Sensor
- c) Signal System : NTSC
- d) Illumination : Color: 0.1-1.0 lux  
Black & White: 0-0.5 lux
- e) Image Frame Rate : 30fps
- f) Angle of View : 62.8° minimum
- g) Effective Pixel : 2MP
- h) Image Compression : H.264
- i) Audio Compression : G.726
- j) IR Visibility : 20 meters minimum
- k) Network Protocol : Manufacturer's Standard
- l) Operating System : Manufacturer's Standard
- m) Operating Temperature : 0°C to 55°C
- n) Lens Type : Manufacturer's Standard
- o) Weight : 2.3 kgs minimum
- p) Protection Rating : IP 66
- q) Optical Zoom : 18x minimum
- r) Digital Zoom : 10x

**FEATURES: (Indoor and Outdoor PTZ Camera)**

- a) Tamper resistant on video, time stamp;
- b) Wide Dynamic Range (WDR);
- c) Support 32GB SD/SDHC Card;
- d) With PTZ auto tracking;
- e) Any Certificates of ISO9001, ISO4001, RoHS, FCC/GS/CE, ISO4892-2

**C. WIRELESS IP CAMERA (Standard Type) INDOOR**

- a) Camera Type : Dome/Bullet/ Box
- b) Image Sensor : 1/2" maximum to 1/3" minimum  
CMOS Sensor

- c) Signal System : NTSC
- d) Illumination : Color: 0.1-1.0 lux  
Black & White: 0-0.5 lux
- e) Image Frame Rate : 30fps
- f) Angle of View : 65°
- g) Effective Pixel : 2MP
- h) Image Compression : H.264
- i) Audio Compression : G.726
- j) IR Visibility : 20 meters minimum
- k) Network Protocol : Manufacturer's Standard
- l) Operating System : Manufacturer's Standard
- m) Operating Temperature : 0°C to 55°C
- n) Lens Type : Varifocal
- o) Weight : Manufacturer's Standard
- p) Protection Rating : IP66

**D. WIRELESS IP CAMERA (Standard Type) OUTDOOR**

- a) Camera Type : Dome/Bullet/ Box
- b) Image Sensor : 1/2" maximum to 1/3" minimum  
CMOS Sensor
- c) Signal System : NTSC
- d) Illumination : Color: 0.1-1.0 lux  
Black & White: 0-0.5 lux
- e) Image Frame Rate : 30fps
- f) Angle of View : 65°
- g) Effective Pixel : 2MP
- h) Image Compression : H.264
- i) Audio Compression : G.726
- j) IR Visibility : 20 meters minimum
- k) Network Protocol : Manufacturer's Standard
- l) Operating System : Manufacturer's Standard
- m) Operating Temperature : 0°C to 55°C
- n) Lens Type : Varifocal
- o) Weight : Manufacturer's Standard
- p) Protection Rating : IP66
- q) Digital Zoom : 4x

**FEATURES: (Indoor and Outdoor Standard Type Wireless IP Camera)**

- a) Tamper resistant on video time stamp;
- b) Wide Dynamic Range (WDR);
- c) Support 32GB SD/SDHC Card

**E. NETWORK VIDEO RECORDER (NVR) Server Type**

- a) Processor : Quad Processor
- b) Operating System : Manufacturer's Standard
- c) Channel Description : 64 Channels
- d) System Memory (RAM) : 4 GB
- e) Video Compression : H.264
- f) Audio Compression : G.726
- g) Protocol Support : Manufacturer's Standard



- h) Recording Mode : Continuous/ Manual/ Schedule Recording/  
Alarm Recording
- i) Recording Performance : 30fps
- j) HDD Tray : Manufacturer's Standard
- k) Recording Resolution : 1MP to 10MP
- l) Power Supply : 220VAC, 60Hz ( $\pm 5\%$ )
- m) USB Port : 2
- n) Weight : 16kgs minimum

**FEATURES:**

- a) Hotswap capability
- b) Diverse Pan/Tilt/Zoom device interface
- c) Intelligent motion detection
- d) Support Remote/mobile client of at least 10 users
- e) Chassis installation should be rack mounted
- f) With joy stick
- g) Any Certificates of ISO9001, ISO4001, CE, RoHS, FCC, VCCI, BSMI

**F. NETWORK VIDEO RECORDER (NVR) Stand Alone Type**

- a) Number of Channel : 16 Channels
- b) Video Compression : H.264
- c) Supported Resolution : Manufacturer's Standard
- d) HDD Capacity : 4TB
- e) USB Port : 2
- f) Protocol Support : Manufacturer's Standard
- g) Power Supply : 220VAC, 60Hz ( $\pm 5\%$ )
- h) Weight : Not more than 4 kgs

**G. POWER OVER ETHERNET (POE) SWITCH**

- a) Communication Standard : Manufacturer's Standard
- b) Ports : 8 ports
- c) Data Transfer Rate : Ethernet: 10/20Mbps (Half/Full Duplex)  
Fast Ethernet: 100/200Mbps (Half/Full Duplex)
- d) Data RAM Buffer : Manufacturer's Standard
- e) Power Supply : 220VAC, 60Hz ( $\pm 5\%$ )
- f) Operating Temperature : 0°C to 45°C
- g) Dimension : Manufacturer's Standard
- h) Weight : Not more than 1.5 kgs

**FEATURES:**

- a) Must have CE/FCC Certificate

**II. PROVISION:**

The CCTV Wireless Equipment under this resolution shall be used as the minimum standard specifications in every procurement activity. The type of IP cameras (PTZ, standard-alone type) shall be reflected in the Terms of Reference (TOR). Further, additional small components/accessories (e.g. repeater, cabling, etc) not mentioned in this resolution will be provided by the supplier as the need arises in order to ensure that the CCTV Wireless/IP Equipment will be installed properly


for safe and efficient use. Thus, a site survey must be conducted and details of installation are to be reflected in the TOR.

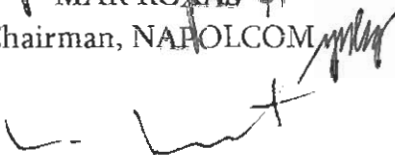
III. WARRANTY:


- a) At least one (1) year warranty
- b) After sales support on parts and service

IV. MUST PASS THE PNP TEST AND EVALUATION

APPROVED this 5th day of FEBRUARY, 2015, in Quezon City, Metro Manila, Philippines.

  
MAR ROXAS  
Chairman, NAPOLCOM

  
EDUARDO U. ESCUETA  
Commissioner  
Vice-Chairman & Executive Officer



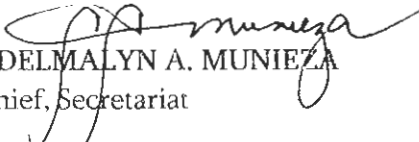
  
LUISITO T. PALMIERA, DPA, CSEE  
Commissioner

  
ALEJANDRO S. URRO  
Commissioner

  
CONSTANCIA P. DE GUZMAN, Ph.D., CESO III  
Commissioner

  
ALAN LA MADRID PURISIMA  
Ex-Officio Commissioner

Attested by:

  
ADELMALYN A. MUNIEZA  
Chief, Secretariat

