



Republic of the Philippines
NATIONAL POLICE COMMISSION
NATIONAL HEADQUARTERS, PHILIPPINE NATIONAL POLICE
OFFICE OF THE CHIEF, PNP
Camp BGen Rafael T Crame, Quezon City

MEMORANDUM CIRCULAR
NO.: 2020-062

SEP 28 2020

**PRESCRIBING THE MINIMUM TECHNICAL SPECIFICATIONS
FOR DEEP DIVE VIDEO CAMERA**

1. REFERENCES:

- a. NAPOLCOM Resolution No. 2020-0420 "Prescribing the Minimum Standards for Deep Dive Video Camera" dated June 18, 2020;
- b. NAPOLCOM MC No. 2019-002 entitled "Defining the Duty and Authority of the NAPOLCOM to Prescribe Minimum Standards for Uniforms, Arms, and Equipment to be Procured by the PNP" dated January 29, 2019;
- c. PNP Memorandum Circular No. 2019-016 entitled "Implementing Guidelines of NAPOLCOM resolution No. 2019-002 Defining the Commission's Function to Prescribe Minimum Standards for Uniforms, Arms and Equipment for the Philippine National Police and Delineation of Authority to the Chief, Philippine National Police and to Set Technical Specifications of PNP Uniforms, Arms and Equipment" dated April 4, 2019; and
- d. PNP UESB Resolution No. 2020-016 entitled "Proposed Minimum Technical Specifications for Deep Dive Video Camera."

2. RATIONALE:

This Memorandum Circular (MC) sets forth the minimum technical specifications for Deep Dive Video Camera that will serve as reference in the procurement of underwater electronic video camera.

3. SITUATION:

Modern improvements in underwater operations evolved in the past years which require camera that can be operated at high pressure. The PNP divers has limited operational capability in extreme cold environment because of some problems they encounter in using underwater video camera.

The PNP Maritime Group being mandated to ensure public safety and internal security operation in territorial waters and rivers, initiated a request to formulate technical specifications for Deep Dive Video Camera through the Directorate for Research and Development (DRD). The Deep Dive Video Camera is

CERTIFIED PHOTO COPY
FROM THE ORIGINAL


DARWIN D. VALDERAS
POLICE LIEUTENANT COLONEL
Chief, Administrative Section

an underwater camera that is capable to record and capture images/photos which is ideal for scuba/deep diving documentations.

To enhance the tactical and operational capability of the PNP, and in order to equip the PNP with a reliable underwater camera during underwater search and rescue, and operative and tactical operations, it is deemed a necessity to formulate the minimum technical specifications for Deep Dive Video Camera to be used by the PNP divers.

4. PURPOSE:

To provide and establish the minimum technical specifications for Deep Dive Video Camera as reference in the procurement of the said deep diving equipment.

5. DEFINITION OF TERMS:

For purposes of this MC, the following terms shall mean:

- a. **Bluetooth** – is a wireless technology standard used for exchanging data between fixed and mobile devices over short distances using short-wavelength UHF radio waves.
- b. **Connectivity** – is the state or extent of being connected or interconnected with platforms, system, or applications.
- c. **Digital Resolution** – refers to the detail an image hold.
- d. **SD Card** – is a type of memory card typically used in digital cameras and other portable devices.
- e. **Underwater camera** – is basically a camera that can be used to capture images and videos under water. The cameras are designed for use underwater, and they include modern waterproof digital cameras.
- f. **Video Resolution** – is a display device which refers to the number of distinct pixels that could be displayed in each dimension.
- g. **Wi-Fi** – is a facility allowing computers, smartphones, or other devices to connect to the Internet or communicate with one another wirelessly within a particular area.

6. GUIDELINES:

a. SPECIFICATIONS:

1) Description:

A rugged and waterproof video camera capable of recording and capturing images with excellent resolution underneath the water. The video camera has a Wi-Fi connection and storage data card.

CERTIFIED PHOTO COPY
FROM THE ORIGINAL

2) Technical Specifications:

- a) Minimum Video Resolution : 1080 pixels
- b) Minimum Digital Resolution (Photo) : 8MP
- c) Connectivity : Wi-Fi and Bluetooth capable
- d) Storage : SD card or equivalent data storage
- e) Minimum Battery Duration : 2 hours
- f) Minimum Depth Operation : 100m

7. REPEALING CLAUSE:

All other technical specifications contrary to or inconsistent with the provisions of this PNPMC are hereby rescinded, modified or amended.

8. EFFECTIVITY:

This MC shall take effect immediately after 15 days from filing a copy thereof at the UP Law Center in consonance with Section 3, Chapter 2, Book VII of Executive Order 292 otherwise known as the "Revised Administrative Code of 1987," as amended.



CAMILO PANCRATIUS P CASCOLAN
Police General
Chief, PNP

Distribution:
D-Staff
P-Staff
D, NSUs
IG, IAS
RD, PROs

CPNP Ltrs 20 5083079



S083079

Copy furnished:
Command Group
SPA to SILG

**CERTIFIED PHOTO COPY
FROM THE ORIGINAL**

DARWIN D VALDERAS
POLICE LIEUTENANT COLONEL
Chief, Administrative Section