



DEVELOPMENT BANK OF THE PHILIPPINES
Head Office: San Gil J. Payat Avenue corner
Makati Avenue, Makati City, Philippines



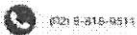
DEVELOPMENT BANK OF THE PHILIPPINES
Head Office: Sen. Gil J. Puyat Avenue corner
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Deadline for the submission of price quotations shall be on or before May 22, 2023
at 2:00 p.m., at DBP Bldg. Osmena Boulevard, Cebu City, Cebu. Please contact Azenith
Jaymil A. Lumabi at telephone numbers (032) 255-4092 / 255-6325. You may also email at
cevb@dbp.ph

Only price quotations from Filipino citizens or companies duly registered with the
Department of Trade and Industry or Securities and Exchange Commission, with current
business permits and those that are PHILGEPS registered shall be accepted.

Development Bank of the Philippines, BBG-Central and Eastern Visayas, reserves the
right to reject any and all bids/price quotations, to waive any defect in them and to award to
the bidder/participant whose bid/price quotation is the most advantageous to the Bank.

-original signed-
SM RYAN B. PASTRANA
Vice- Chairman, RBAC



(02) 8-815-9511



info@dbp.ph



www.dbp.ph



fb.com/devbankph

**TECHNICAL SPECIFICATION
ONE (1) – LOT - CCTV SURVEILLANCE SYSTEM**

I. Approved Budget for the Contract ₱500,000.00 (inclusive of VAT/applicable taxes).

II. Technical Specification:

Dome Camera

- 5MP Fix IP Dome Camera real time video recording
- Lens : IRI Series – 3.6mm
- Angle View : 78° (3.6mm)
- Housing : Weather Proof IP66 rated
- Indoor/outdoor
- IR Distance 20m-25m

Bullet Camera

- 5MP real time video recording
- Lens : IRI Series – 3.6mm
- Angle View : 78° (3.6mm)
- Housing : Weather Proof IP66 rated
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- IR Distance 20m-25m

Fisheye Camera

- Fisheye 360 degree
- 1/2.7-in 5MP Progressive-scan CMOS Sensor
- Triple-stream encoding
- Smart H.265+ and Smart H.265 4+dual codec
- 5MP (2592x1944) at 30fps Maximum resolution
- 1.4 mm fixed Lens
- True Wide Dynamic Range (120dB)
- Analytic + Function – People Counting and Heat map
- Built-in Microphone
- IP 67 Ingress Protection and 1K 10 Vandal Resistance
- IR Distance 15-20m

16 CHANNEL NVR

- H.265 + Video Compression/Third part camera supported
- 5 Megapixels resolution recording
- HDMI and VGA output 2560 * 1920 P resolution
- 8/16 ch synchronous playback
- HDD quota and group management
- Hard Drive capacity, to meet the 60 days (real time) retention period

Hard Drive – (10 TB Hard Disk Drive)

Formatted NTFS for Windows 10, Windows 8, windows 7. Requires reformatting for MAC OS X, compatibility may vary depending on user's hardware configuration and operating system.

- Interface – USB 3.0, USB 2.0
- Operating System – Windows and MAC
- Package Includes – WD Elements hard drive, USB cable, AC Adapter , Quick install guide.

CCTV SURVEILLANCE SYSTEM

Network Attached Storage - (NAS) – (1 – Unit)

➤ HARDWARE

➤ PHYSICAL

➤ ELECTRICAL

➤ POWER

➤ THERMAL

➤ ACOUSTICS

➤ CAPACITY

- DUAL CORE 700MHz CPU
- 512 MB DRAM
- ONE (1) SERIAL ATA II CHANNEL
- HOT SWAPPABLE TRAYS
- ONE (1) ETHERNET PORT
- TWO(2) USB 3.0 PORTS
- ONE(1) USM port
- 256 MB flash memory for OS
- LOCK
- LCD display panel with buttons
- FORM FACTOR : DESKTOP 4 – BAY
- EXTERNAL POWER SUPPLY
- 100- 240 AC, 50/60HZ
- POWER SAVING MODE WITHOUT STORAGE CONNECTED
- HDD IS OFF
- 90 Cooling fan
- ≤4.2 BELS
- 6TB (to meet the 60 days (real time) retention period)

FEATURES:

Network Protocols

- Common Internet file server (CIFS)/Server Message Block(SMB) for Windows
- Alpha-fetoprotein (AFP) 3.3 for MAC OS 9/X
- Hypertext Transfer Protocol (HTTP/S) for Web browser
- File Transfer Protocol (FTP/S)
- R sync
- Internet Small Computer system Interface (iSCSI) target support for Windows, MAC and UNIX/Linux initiator (available on 2 -/4 bay)

Network Services

- Dynamic Host Configuration Protocol (DHCP) or static IP address assignment
- Network Time Protocol (NTP)
- IEEE 802.3ad Link Aggregation Control Protocol (LACP) support for load balancing and failover
- Print Server

RAID – Redundant Array of Independent disk

- Multiple volume support for RAID 0,1,5,10 and JBOD for 4-bay; RAID 0,1 and JBOD for 2 – bay
- Hot swappable disks (only on 4 – bay)
- Hot spare disk support
- RAID volume expansion
- RAID Migration

CCTV SURVEILLANCE SYSTEM

➤ Wake-on-LAN (WOL)
Supported Web Browsers

- Internet Explorer 7.0+
- Opera 9.5+
- Safari 2.0+
- Mozilla Firefox 3.0+
- Google chrome

Supported Network Client OS

- Microsoft Windows 7, 8, Vista XP
- Windows server 2008 R2, 2003 SBS R2
- Macintosh OS X 10.X
- Linux, UNIX, Solaris

Language – Open

Compliance

- FCC, CE, CCC, RoHS

Warranty

- Hard disk 3 – years Limited warranty

16 Channel CCTV Camera Power Supply – 12 VDC – 10 Amps.

Every channel is protected with Auto-reset PTC fuses, which means these fuses will not blow. This box can be mounted to any surface, plugged into AC outlet.

- 12VDC – 10Amp supply current
- Multiple outputs (16 Channel)
- 16 – Auto-reset PTC fuse protected output
- Power on/off switch
- DC regulated, over current and voltage protected
- Individual LED indicator for each output
- Fuse Rating: 1. 1A

32" Monitor

- 32" BNC Monitor
- Format type : LED
- HD-TVI, HD-CVI, AHD Compatible
- Analog CCTV (CVBS) Compatible
- Max. Resolution: 1080p
- (1) Analog BNC Video Input (Composite)
- (1) HD BNC Video Input
- (1) HDMI Input
- (1) VGA Input
- (1) 3.5 mm audio Input
- Built-in Audio Speaker

Reflectorize Sticker

- Size : 210mm x 297 mm

Power Interface Switch for Power Over Ethernet (PoE) Powered Devices (IF Require by the contractor/installer)

Features:

- Integrated Power Interface Switch for IEEE

CCTV SURVEILLANCE SYSTEM

Volume Management

- EXT 4 journaled file system
- iSCSI LUN support
- User and group quotas

User Security and Data Access

- Local users and Active Directory/Windows Domain support
- Secure Sockets Layer (SSL)
- CHAP authentic for iSCSI LUN
- Share-based access permission
- Volume-and share-based data encryption
- Seagate Global Access for Windows, MAC, Tablets, smartphone (iOS and Android)

System Management

- Dashboard and browser-based management UI
- Device health status
- Email alert

Media Streaming

- DLNA
- Apple, iTunes, server
- Universal plug and play (UPnP)

Backup

- Integrated backup
- Backup to/ from Universal Serial Bus(USB)/Ultrasonic motor (USM) disks with programmable One Touch button
- Backup software for Windows
- NAS-to NAS backup with incremental or full backup
- Time machine support
- Support of 3rd – party backup software

USB and USM support

- USB device support (3.0 /2.0)
- USB HDD and flash drives
 - EXT3- Third extended file system
 - EXT4 – Fourth extended file system
 - FAT – File Allocation Table
 - NTFS – New Technology File system
- Hot Swappable USM drive (USM – 2 – bay and 4 – bay)
- Printers
- UPS monitoring and auto shutdown

Power Management and Power Saving

- Disk spin-down
- Smart system cooling fan
- Power on/off schedule

OCTV SURVEILLANCE SYSTEM

- Provide PD Detection Signature
- Provides PD Classification signature
- Programmable Inrush Current Limit
- Internal 0.3 - Ω Low - side FET
- Interface to DC/DC Soft-start for DC / DC Enable
- Internal Thermal Protection - Disconnects PD Load
- Minimal External Parts Count
- 8 - Pin SOIC, 8-Pin TSSOP Packages

Recommended by:

-original signed

Katherine R. Calabio
OIC, Cashiering & Teller

Approved by:

-original signed

AM Erzon E. Gamus 4/11/14
Acting Branch Head, Tagbilaran Branch

CCTV SURVEILLANCE SYSTEM

TECHNICAL SPECIFICATION
ONE (1) – LOT - CCTV SURVEILLANCE SYSTEM

I. Approved Budget for the Contract **P 250,000.00** (inclusive of VAT/applicable taxes)

Item	Quantity
Dome Type Camera	11 - Units
Bullet Type Camera	4 - Units
Fish Eye Camera	1 - Unit
16 Channel NVR	1- Unit
Network Attached Storage (NAS)- 4 Bay	1 - Unit
16 Channel CCTV Camera Power Supply	1 - Unit
Hard Drive – 10TB	1 - Unit
Power Interface Switch for Power Over Ethernet	1 - Unit
32" CCTV Monitor	2 - Units
Reflectorized Sticker	1 - Unit
Installation, labor, wiring, piping, flexible, boxes, connectors, tapping termination programming, testing training commissioning	1 - Lot

II. Technical Specification:

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- 5MP Fix IP Dome Camera real time video recording
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- ONE (1) ETHERNET PORT
- TWO(2) USB 3.0 PORTS
- ONE(1) USM port
- 256 MB flash memory for OS
- LOCK
- LCD display panel with buttons
- FORM FACTOR: DESKTOP 4 – BAY

➤ PHYSICAL

➤ ELECTRICAL

➤ POWER

➤ THERMAL

➤ ACOUSTICS

➤ CAPACITY

- EXTERNAL POWER SUPPLY
- 100- 240 AC, 50/60HZ
- POWER SAVING MODE
- WITHOUT STORAGE CONNECTED
- HDD IS OFF
- 90 Cooling fan
- ≤ 4.2 BELS
- 6TB (to meet the 60 days (real time) retention period

FEATURES

Network Protocols

- Common Internet file server (CIFS)/Server Message Block(SMB) for Windows
- Network Attached Storage (NAS) 2.0 for MAC OS X

Network Services

- Dynamic Host Configuration Protocol (DHCP) or static IP address assignment
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User Security and Data Access

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USB and USM support

COMPLIANCE SYSTEM

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- Smart system cooling fan
- Power on/off schedule
- Wake-on-LAN (WOL)

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- Multiple outputs (16 Channel)
- 16 -- Auto-reset PTC fuse protected output
- Power on/off switch
- DC regulated, over current and voltage protected
- Individual LED indicator for each output
- Fuse Rating: 1. 1A

- Max. Resolution: 1080p
- (1) Analog BNC Video Input (Composite)
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Reflectorize Sticker

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Power Interface Switch for Power Over Ethernet (PoE) Powered Devices (If Require by the contractor/installer)

Features:

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Recommended by:

-original signed-

CHARISSA SARSALEJO

OIC – Branch Services

Approved by:

-original signed-

MGR. CHRISTIAN S. ARAO ARAO

Branch Head

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Recommended by:

-original signed-
OIC, BSO

Approved by:

-original signed-
AM MA SHEILA F. MALARAN
Acting Head Ubay Branch

Approved by: [Signature]