



Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE
Office of Bids and Awards Committee
Pinaod, San Ildefonso, Bulacan, Philippines 3010

<p>Win7/ Mac OS/Android/Chrome/Linux</p> <p><i>Power</i> Voltage: 100-240V, 50-60 Hz Maximum Power: 250W Standby Power: 0.5W</p> <p><i>Connectivity</i> Front (minimum) 1x USB 3.0 (Android&PC) 1x HDMI in 2.0 1x Touch-USB 1x Type C (USB2.0, Audio&Video, Touch, 15W power) 1x RJ45</p> <p>Input (minimum) 1x RJ45 (1000MB or LAN Share) 1x HDMI 2.0 1x DP 1.2 1x USB 2.0 (OTG) 1x USB 2.0 (Android) 2x USB 3.0 (Android&PC) 2x Touch-USB 1x Type C (USB3.0) 1x Mic 2x RS23</p> <p>Output (minimum) 1x HDMI 2.0 1 1x COAX SPDIF 1 1x RJ45 (1000MB or LAN Share) 1x earphone</p> <p><i>Camera (minimum)</i> 4K AI Camera 13MP (with Auto Framing & Voice Tracking)</p> <p><i>Android (minimum)</i> CPU Framework : Cortex-A73*4 + Cortex-A53*4 CPU Processor Speed : 2.2GHz GPU : Arm Mali-G52 MP8 (8EE) Ram: 8gb Rom: 128gb OS Version : Android 11.0 Hotspot : YES WiFi : 802.11 a/b/g/n/ac embedded, IEEE 802.1x, WPA2 (2.4G/5G Dual-band) Bluetooth : 5.2</p>	<p>Win7/ Mac OS/Android/Chrome/Linux</p> <p><i>Power</i> Voltage: 100-240V, 50-60 Hz Maximum Power: 250W Standby Power: 0.5W</p> <p><i>Connectivity</i> Front (minimum) 1x USB 3.0 (Android&PC) 1x HDMI in 2.0 1x Touch-USB 1x Type C (USB2.0, Audio&Video, Touch, 15W power) 1x RJ45</p> <p>Input (minimum) 1x RJ45 (1000MB or LAN Share) 1x HDMI 2.0 1x DP 1.2 1x USB 2.0 (OTG) 1x USB 2.0 (Android) 2x USB 3.0 (Android&PC) 2x Touch-USB 1x Type C (USB3.0) 1x Mic 2x RS23</p> <p>Output (minimum) 1x HDMI 2.0 1 1x COAX SPDIF 1 1x RJ45 (1000MB or LAN Share) 1x earphone</p> <p>Camera (minimum) 4K AI Camera 13MP (Built in or external) with Auto Framing, Voice Tracking & Auto Tracking</p> <p><i>Android (minimum)</i> CPU Framework : Cortex-A73*4 + Cortex-A53*4 CPU Processor Speed : 2.2GHz GPU : Arm Mali-G52 MP8 (8EE) Ram: 8gb Rom: 128gb OS Version : Android 8 to Android 11 Hotspot : YES WiFi : 802.11 a/b/g/n/ac embedded, IEEE 802.1x, WPA2 (2.4G/5G Dual-band) Bluetooth : 5.2</p>
--	---



Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE
Office of Bids and Awards Committee
Pinaod, San Ildefonso, Bulacan, Philippines 3010

	<p><i>OPS (minimum)</i> Chipset : Intel CPU : Intel Core i5 10th Gen Memory : 8gb SSD: 128gb</p> <p><i>OPS Interfaces (minimum)</i> USB2.0 : 2 USB3.0 : 2 LAN : 1 HDMI : 1 LINE-OUT : 1 MIC-IN : 1</p> <p><i>Windows OS</i> Genuine Activated Windows 10 Pro</p> <p><i>Others</i> Built-in speakers Light sensor Temperature monitor</p> <p><i>Software/ Applications</i> E-Share Classin Online Video Conference Solution or Classiln X</p> <p><i>Inclusions</i> Installation Training 1 Year Warranty w/ Training 24/7 on-call support services</p>	<p><i>OPS (minimum)</i> Chipset : Intel CPU : Intel Core i5 10th Gen Memory : 8gb SSD: 128gb</p> <p><i>OPS Interfaces (minimum)</i> USB2.0 : 2 USB3.0 : 2 LAN : 1 HDMI : 1 LINE-OUT : 1 MIC-IN : 1</p> <p><i>Windows OS</i> Genuine Activated Windows 10 Pro</p> <p><i>Others</i> Built-in speakers Light sensor Temperature monitor</p> <p><i>Software/ Applications</i> E-Share Classin Online Video Conference Solution or Classiln X or equivalent With free 1 year subscription</p> <p><i>Inclusions</i> Installation Training (Trainers must be certified) 1 Year Warranty 24/7 on-call support services Movable TV Bracket/Frame Manufacturer's Certificate of Distributorship</p>
2	<p>3D printer Technology: FFF Approximate Build Size (mm): 228x200x300 Print head: 2 nozzle Nozzle Diameter (mm): 0.4 Filameent Diameter (mm): 1.75 Material: Open Source Filament: PLA, ABS, ASA PETG etc. Loading System: Auto Loading / Unloading, Manual Loading / Unloading Bed Leveling: Semi-Auto GUI: 5 inch Full Color Touch Screen (minimum) Support File: Stl, Ply, G-Code (rep-rap), Amf Connectivity: Ethernet, USB 3.0, USB 2.0, WiFi</p>	<p>3D printer Technology: FFF Approximate Build Size (mm): 228x200x300 Print head: 2 nozzle Nozzle Diameter (mm): 0.4 Filameent Diameter (mm): 1.75 Material: Open Source Filament: PLA, ABS, ASA PETG etc. Loading System options Auto Loading and Unloading or Manual Loading or Unloading Bed Leveling: Semi-Auto GUI: 4.5 inch (minimum) to 6 inch Maximum full Color Touch screen Support File: Stl, Ply, G-Code (rep-rap), Amf</p>



	<p>Filter: HEPA filter (Air Pollution Protection Eco-friendly)</p> <p>Bed: Metallic Flexible</p> <p>Noise Level: PLA 45dB, ABS 30dB</p> <p>Monitoring Modes: PC, Smartphone, Tablet</p> <p>with</p> <p>1 year warranty on parts and services</p> <p>Training</p> <p>Free set of Filaments</p>	<p>Connectivity: Ethernet, USB 3.0, USB 2.0, WiFi</p> <p>Filter: HEPA filter (Air Pollution Protection Eco-friendly)</p> <p>Bed: Metallic Flexible</p> <p>Noise Level: PLA 45dB, ABS 30dB</p> <p>Monitoring Modes: PC, Smartphone, Tablet</p> <p>with</p> <p>1 year warranty on parts and services</p> <p>Training (Trainers must be certified)</p> <p>Free set of Filaments</p> <p>Manufacturer's Certificate of Distributorship</p>
LOT 2; CCTV SURVEILLANCE SYSTEM		
1	<p>CCTV Surveillance System</p> <p>14 units Outdoor camera</p> <p>5MP, 1/2.8"CMOS sensor</p> <p>(1920*1080) @30/25fps; 720P (1280*720) @30/25fps;</p> <p>Ultra 265, H.265, H.264, MJPEG</p> <p>120dB true WDR technology enables clear image in strong light scene</p> <p>Support 9:16 Corridor Mode</p> <p>Built-in Mic & Speaker</p> <p>Smart IR, up to 30m (98ft) IR distance</p> <p>White Light, up to 30m (98ft) white light distance</p> <p>IP67 protection</p> <p>Support PoE power supply</p> <p>3-Axis</p> <p>1 unit PTZ</p> <p>High quality image with 4MP, 1/2.7"CMOS sensor</p> <p>Ultra 265, H.265, H.264, MJPEG</p> <p>Smart intrusion prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection</p> <p>LightHunter technology ensures ultra-high image quality in low illumination environment</p> <p>Up to 120 dB Optical WDR (Wide Dynamic Range)</p> <p>Built-in Mic & Speaker</p> <p>Smart IR, Up to 50 m (164 ft) IR distance and 10m (33 ft) warm light distance</p> <p>IP66 protection</p> <p>DC12V or PoE (IEEE 802.3af) power supply</p> <p>2 units 43" Monitor</p> <p>3 pcs POE Switch 8 Channel</p> <p>1 unit 1TB HDD</p> <p>2 units NVR</p>	<p>CCTV Surveillance System</p> <p>14 units Outdoor camera</p> <p>5MP, 1/2.8"CMOS sensor</p> <p>(1920*1080) @30/25fps; 720P (1280*720) @30/25fps;</p> <p>Ultra 265, H.265, H.264, MJPEG</p> <p>120dB true WDR technology enables clear image in strong light scene</p> <p>Support 9:16 Corridor Mode</p> <p>Built-in Mic & Speaker</p> <p>Smart IR, up to 30m (98ft) IR distance</p> <p>White Light, up to 30m (98ft) white light distance</p> <p>IP67 protection</p> <p>Support PoE power supply</p> <p>3-Axis</p> <p>1 unit PTZ</p> <p>High quality image with 4MP, 1/2.7"CMOS sensor</p> <p>Ultra 265, H.265, H.264, MJPEG</p> <p>Smart intrusion prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection</p> <p>LightHunter technology ensures ultra-high image quality in low illumination environment</p> <p>Up to 120 dB Optical WDR (Wide Dynamic Range)</p> <p>Built-in Mic & Speaker</p> <p>Smart IR, Up to 50 m (164 ft) IR distance and 10m (33 ft) warm light distance</p> <p>IP66 protection</p> <p>DC12V or PoE (IEEE 802.3af) power supply</p> <p>2 units 43" Monitor</p> <p>3 pcs POE Switch 8 Channel</p> <p>1 unit 1TB HDD</p> <p>2 units NVR</p>



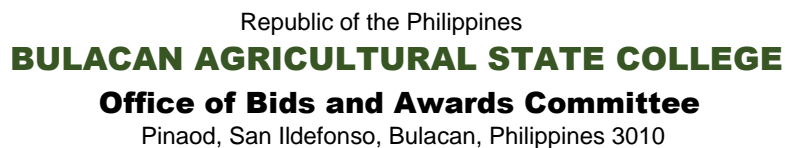
Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE
Office of Bids and Awards Committee
Pinaod, San Ildefonso, Bulacan, Philippines 3010

	<p>Support Ultra 265/H.265/H.264 video formats 16-channel input Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols Support 1-ch HDMI, 1-ch VGA Up to 4K resolution recording 1 SATA HDD up to 8TB Support cloud upgrade</p> <p>16 pcs Junction Box</p> <p>4 pcs Metal Junction Box</p> <p>7 rolls CAT6 UTP</p> <p>3 rolls Fiber Optic Cable</p> <p>PVC Pipes, fittings, hangers, support, restoration and other consumable materials necessary for the satisfactory completion of the project</p> <p>With installation With minimum of 1 year warranty in all parts and services</p>	<p>Support Ultra 265/H.265/H.264 video formats 16-channel input Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols Support 1-ch HDMI, 1-ch VGA Up to 4K resolution recording 1 SATA HDD up to 8TB Support cloud upgrade</p> <p>16 pcs Junction Box</p> <p>4 pcs Metal Junction Box</p> <p>7 rolls CAT6 UTP (Outdoor)</p> <p>3 rolls Fiber Optic Cable</p> <p>PVC Pipes, fittings, hangers, support, restoration and other consumable materials necessary for the satisfactory completion of the project</p> <p>With installation With minimum of 1 year warranty in all parts and Services</p> <p>See Drawing below for the Site Development Plan)</p>
LOT 3: LCD SPLICING DISPLAY UNIT		
1	<p>LCD Splicing Display Unit</p> <p><i>Display</i></p> <p>Diagonal Size : 55" Backlight LED (Direct type) Physical Seam 1.7 mm Resolution 1920x1080 (minimum) Color 16.7M Brightness 500 cd/m2 Contrast 4000:1 Response Time 8 ms (or better) Viewing Angle Horizontal 178°, Vertical 178°</p> <p><i>Interface</i></p> <p>Input Interface 1xVGA, 1xDVI, 2xHDMI Loop Interface 1xHDMI USB 1xUSB Control Interface 1xRS-232 IN, 1xRS-232 OUT, 1xIR</p> <p><i>General</i></p>	<p>LCD Splicing Display Unit</p> <p><i>Display</i></p> <p>Diagonal Size : 55" Backlight LED (Direct type) Physical Seam 1.7 mm Resolution 1920x1080 (minimum) Color 16.7M Brightness 500 cd/m2 Contrast 4000:1 Response Time 8 ms (or better) Viewing Angle Horizontal 178°, Vertical 178°</p> <p><i>Interface</i></p> <p>Input Interface 1xDVI, 2xHDMI Loop Interface 1xHDMI USB 1xUSB Control Interface 1xRS-232 IN, 1xRS-232 OUT, 1xIR</p> <p><i>General</i></p>



Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE
Office of Bids and Awards Committee
Pinaod, San Ildefonso, Bulacan, Philippines 3010

<p>Approximate Dimensions (WxHxD) 1211.70mmx682.55mmx122.54mm Power Supply AC 100 to 240 V Consumption 228 W Operation Temperature 0°C ~ 40 °C Operating Humidity 20%~90% (No Condensation)</p> <p>inclusions Vertical Support Movable Bracket Training 1 year warranty on parts and services</p>	<p>Approximate Dimensions (WxHxD) 1211.70mmx682.55mmx122.54mm Power Supply AC 100 to 240 V Consumption 228 W Operation Temperature 0°C ~ 40 °C Operating Humidity 20%~90% (No Condensation)</p> <p>inclusions Movable Support Bracker which can support the following set up: 3 units (horizontally) by 2 units (vertically) Training 1 year warranty on parts and services</p>
---	---



DISTANCE

1-2 = 21.30m
 2-3 = 150.50m
 3-4 = 78.00m
 4-5 = 33.10m
 5-6 = 63.30m
 6-7 = 44.50m
 7-8 = 33.50m
 3-10 = 138.20m
 10-11 = 76.00m

LEGEND

EXISTING

A. AGRICULTURE LABORATORY CENTER
 B. INSTITUTE OF AGRICULTURE BLDG.
 C. CARABAO HOUSING
 D. STRUCTURE FOR ORGANIC FERTILIZER PRODUCTION
 E. LAYER HOUSE
 F. BASIC CLONAL FACILITY
 G. GREEN HOUSES
 H. WEATHER STATION
 I. GOAT HOUSE
 J. PIGGERY HOUSE
 K. TUNNEL VENTILATED PIGGERY HOUSE
 L. ROTARY BLDG. (PRESENTLY USED AS COTTAGES)
 M. LAGOON
 N. BUREAU OF FIRE PROTECTION (BFP)
 O. FEEDMILL
 P. TUNNEL VENTILATED PIGGERY
 Q. AGRICULTURE BUILDING
 R. ANIMAL SCIENCE BUILDING
 S. SMART GREENHOUSE

LEGEND:

● CCTV MONITOR
 ● CCTV

SITE DEVELOPMENT PLAN
NEW SITE CAMPUS

← To San Ildefonso Market

To BAC Main Campus


RONALD REAGAN T. ALONZO, Ph.D.
 BAC Chairperson