

Office of the President of the Philippines Office of the Presidential Adviser on Peace, Reconciliation and Unity

7th Floor, Agustin 1 Building, F. Ortigas Jr. Road, Ortigas Center, 1605 Pasig City Tel (+632) 636-0701 Fax No: (+632) 638-2216

BIDS AND AWARDS COMMITTEE

REQUEST FOR QUOTATION

05 October 2022

The Office of the Presidential Adviser on Peace, Reconciliation and Unity (OPAPRU) intends to apply the sum of *Nine Hundred Thousand Pesos Only* (PhP900,000.00) being the Approved Budget for the Contract (ABC) to be paid for the *Procurement of Audio and Video Room Equipment*, as defined in *Section 53* otherwise (Negotiated Procurement) under section 53.9 (Small Value Procurement) of the Implementing Rules and Regulations of RA 9184.

Lot No.	Goods	Quantity	Specific Technical Requirements
1	Audio and Video Room Equipment Video Mixer/Encoder Video Switcher with broadcast monitor Video Camcorder Wireless Video Transmission System Wireless Comms Headset System Wireless Microphones	2 units 2 units 2 units 2 units 2 sets 1 set	See Annex "A"

The OPAPRU now invites contractors/suppliers to submit price quotations for the abovementioned procurement project.

The Contract will be awarded per lot to the lowest quotation and responsive to the specifications and requirements.

For further inquiries and clarifications, you may coordinate with the BAC Secretariat at the telephone number (02) 8636 0701 to 06 local 871 or email at bac.secretariat@peace.gov.ph.

Prepared by:

RAHNEE CHEYSSER H. ESTRADA

PDO IV, ICT Services

Noted by:

PAUL MARK R. MARTINEZ
PPO V, Administrative Services



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TERMS AND CONDITIONS

- 1. The Approved Budget for the Contract (ABC) is inclusive of applicable taxes, fees, and/or levies payable.
- 2. The Contract shall be awarded to the lowest and responsive bidder. Bid amount exceeding the ABC shall be automatically disqualified.
- 3. The price quotation must be valid for sixty (60) calendar days from the date of submission of bids.
- 4. The Bidder shall submit its quotation with the following documents on or before <u>11</u> <u>October 2022; 10:00 a.m.</u> at the address specified below:
 - A. Mayor's/Business Permit
 - B. PhilGEPS Registration Number
 - C. Omnibus Sworn Statement (Original Copy)
 - D. Income/Business Tax Return (note: for ABC above PhP500,000.00)
- 5. The abovementioned documents must be properly labeled ("TAB") before submitting to the BAC Secretariat.
- 6. None submission of any of the document/s will be automatically declared ineligible to bid and hence, the bid shall be disqualified.
- 7. Bid documents shall be submitted in a *sealed and signed envelope* indicating the Procurement title together with the name of the Bidder, complete mailing address, email address, and telephone or mobile number. Without such details, the bid shall not be accepted.
- 8. The physical bidding documents shall be submitted personally or via courier on or before the set deadline and time at the:

Bids and Awards Committee Secretariat Office 3rd Floor, Agustin I Building Emerald Avenue, Ortigas Center Pasig City

- 9. The OPAPRU shall conduct an evaluation/inspection of goods to be supplied/procured before an award shall be issued.
- 10. Subcontracting is not allowed.
- 11. The delivery of goods shall be completed within <u>30</u> calendar days from receipt of Job/Purchase Order.



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12. The place of delivery will be at:

10th Floor, Agustin I Building Emerald Avenue, Ortigas Center Pasig City

- 13. Payment shall be made to the supplier or distributor within thirty (30) calendar days from complete delivery and submission of pertinent documents for payment as required under existing laws.
- 14. Replacement of defective item/s shall be made within seven (7) days from receipt of the supplier or distributor of the formal written notice.
- 15. The OPAPRU reserves the right to reject any and all quotations or bids, declare a failure of bidding or not award the contract in accordance with Section 41 of the IRR of RA 9184.



BIDS AND AWARDS COMMITTEE

QUOTATION FORM

Office of the Presidential Adviser on Peace, Reconciliation and Unity

Agustin I Building, F. Ortigas Jr. Road, Ortigas Center, Pasig City

Dear Sir/Ma'am:

After having carefully read and accepted your terms and conditions, we are pleased to quote you for the following items:

Lot	Technical Requirements	QTY	Statement of Compliance (Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered)	Unit Cost	Total Cost
1	 Video Mixer/Encoder Features: Encoder, switcher, recorder, monitor (all-in-one) Live switch up to 6 video sources No computer/desk workstation required Touch screen operation control Automatic background replacement & chroma key Supports 4G LTE & built-in battery – live-on-the-go Display: 8-inch LCD display 400 nits brightness Ports: 3 x HDMI video input 1 x USB video input 1 x Ethernet port 1 x HDMI video output 1 x Type-C 3.0 port 1 x 3.5mm Audio out 1 x 3.5mm Line-input Type-C power connector 1 x multi-card reader 1 x SIM card slot 	2 units			



Encoded Format:			
H.264 video			
• AAC (44.1k) audio			
i ' '			
MP4 video recording format			
• Audio Input:			
32kHz/44.1kHz/48kHz/16-			
bit/16kHz			
Live broadcast resolution:			
540P/720P/1080P			
Video Storage:			
Card Type: SD Card			
 Card Capacity: Expanded to 			
128G FAT32 format			
Network Connection:			
• 2.4G/5G WiFi			
4G Network mobile data			
connection			
RTMP(S) network protocol			
transmission			
Power:			
Power Interface: Type-C,			
quick charge 3.0			
Battery Capacity: 10,000mAh			
• Rated Voltage: 5V-3A, 9V-			
l 2A 12V-15A			
2A, 12V-1.5A • Warranty: 1 year			
Warranty: 1 year	2 units		
Warranty: 1 year Video Switcher with Broadcast	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen	2 units		
 Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 	2 units		
 Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 	2 units		
 Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display 	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker Video Switcher	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker Video Switcher 5.5" Full HD IPS screen	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker Video Switcher 5.5" Full HD IPS screen Live-switch, control, and	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker Video Switcher 5.5" Full HD IPS screen	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker Video Switcher 5.5" Full HD IPS screen Live-switch, control, and stream up to 4 HDMI video sources	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker Video Switcher 5.5" Full HD IPS screen Live-switch, control, and stream up to 4 HDMI video sources Touch screen operation	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker Video Switcher 5.5" Full HD IPS screen Live-switch, control, and stream up to 4 HDMI video sources Touch screen operation Real-time six-picture preview	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker Video Switcher 5.5" Full HD IPS screen Live-switch, control, and stream up to 4 HDMI video sources Touch screen operation	2 units		
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Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker Video Switcher 5.5" Full HD IPS screen Live-switch, control, and stream up to 4 HDMI video sources Touch screen operation Real-time six-picture preview USB 3.0	2 units		
Warranty: 1 year Video Switcher with Broadcast Monitor Broadcast Monitor 7" IPS screen 1920x1200 pixels resolution 16:10 aspect ratio 2,200nits daylight display HDMI input HDMI output Stereo headphone output Built-in speaker Video Switcher 5.5" Full HD IPS screen Live-switch, control, and stream up to 4 HDMI video sources Touch screen operation Real-time six-picture preview USB 3.0 PTZ camera control	2 units		



4 x HDMI video input			
connectors			
Input video format: HDMI			
1080p @ 23.9/24/30/50/60 fps			
Audio input connector: 3.5mm			
stereo			
HDMI embedded audio input			
• 2 x video output channels			
Video output connectors			
(HDMI, USB Type-A female)			
Embedded audio output (HDML USB Tyrns A)			
(HDMI, USB Type-A)			
4-way multi-view output via			
HDMI Wanasa 1			
Warranty: 1 year Wiles Green and are	2		
Video Camcorder	2 units		
• Sensor resolution: 21 actual			
megapixel, 14.2 effective			
megapixel			
• Sensor Type: 1" CMOS sensor			
Optical integrated Lens image			
stabilization			
• Mechanical filter wheel with 2			
stops, 4 stops and 6 stops ND			
filters			
Video only capture type			
• 1/10000 to 1/16 seconds shutter			
speed			
• -3 to 33dB gain			
• 3 Lux at 1/50 shutter speed			
minimum illumination			
• 2300 to 15000k white balance			
• XAVC S 4:2:0, XAVC S,			
ACHD recording modes			
• UHD 1 to 29.97 fps			
• 10180p: 1 to 1000 fps			
• 880 minutes recording limit			
Stereo built-in microphone			
• Audio recording: XAVC, Proxy,			
AVCHD 2-channel 16-bit 48kHz			
audio			
• MPEG2 1280x720p at 24p, 30p			
(3.0Mb/s) MPEG2, UDP:			
640x360 at 24p (1.0Mb/s) IP			
streaming			
• 2.4GHz WiFi 4 (802.11n)			
wireless connectivity			
• Display: 3.5", 1.5M dot			
resolution Articulating LCD	1		I



Viewfinder: built-in electronic (OVER)			
(OLED) 0.39" 2.3M dot			
resolution			
Automatic and manual focus			
Warranty: 1 year Wireless Video Transmission	2		
System	2 sets		
Wireless video			
transmitter/receiver set			
Receiver HDMI & SDI			
outputs			
• 1000 feet/304.8 meters line-of-			
sight 1080p 60fps transmission			
• AES-128-bit encryption, 40ms			
latency			
DC adapter power and battery			
Transmitter HDMI/SDI input,			
SDI loop out			
OLED screen, USB type-C			
power input			
• 5.1 to 5.9GHz frequency range			
• 20MHz channel bandwidth			
 22dBm Radio Frequency 			
Power			
 -80dBm Radio Frequency 			
Sensitivity			
 Wireless Connectivity enabled 			
 Supports Video format: 			
HDMI/SDI: 480p to 1080p			
23fps to 60fps			
• I/O: Transmitter BNC (3G-			
SDI) input, HDMI Type A			
input, BNC(3G-SDI) loop			
output; Receiver: BNC(3G-SDI) output, HDMI Type A			
output, USB3.1/USB3.2 Gen 1			
(USB type C)			
• Warranty: 1 year			
Wireless Comms Headset System	1 set		
Wideband clear audio quality	- 200		
for precise coordination			
Comfortable to wear all day			
long for hands-free operation			
• 1000ft coverage zone			
Customizable and expandable			
for varying team size			
• Number of headsets: (4)			
single-sided headsets (1-			
master headset, 3-follower)			
Digital DECT 1.9GHz			
wireless technology		Ì	



		 1	
 Analog GFSK wireless 			
modulation			
 Duplex mode echo 			
cancellation			
 -90dBm Approximate Radio 			
Frequency sensitivity			
 Encrypted wireless 			
transmission			
 Mono sound field 			
• 150Hz to 7kHz frequency			
response			
 115dB maximum sound 			
pressure level			
 1% Total Harmonic 			
Distortion (THD)			
 Condenser-type microphone 			
 Interchangeable mic boom 			
location			
 Unidirectional cardioid 			
pickup pattern			
• 115 dB maximum SPL			
 10 hours Headset battery 			
runtime			
 700mAh battery capacity 			
 2.5 hours battery charging 			
time			
time • Warranty: 1 year			
time Warranty: 1 year Wireless Microphones	1 set		
time Warranty: 1 year Wireless Microphones Transmitter	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology 514 to 558 MHz RF	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology 514 to 558 MHz RF frequency band	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology 514 to 558 MHz RF frequency band 44MHz RF bandwidth	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology 514 to 558 MHz RF frequency band 44MHz RF bandwidth 328 feet/100meters max	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology 514 to 558 MHz RF frequency band 44MHz RF bandwidth 328 feet/ 100meters max operating range	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology 514 to 558 MHz RF frequency band 44MHz RF bandwidth 328 feet/ 100meters max operating range 32 max transmitters per band	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology 514 to 558 MHz RF frequency band 44MHz RF bandwidth 328 feet/ 100meters max operating range 32 max transmitters per band 24-bit sample rate/resolution	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology 514 to 558 MHz RF frequency band 44MHz RF bandwidth 328 feet/ 100meters max operating range 32 max transmitters per band 24-bit sample rate/resolution 3.2ms latency	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology 514 to 558 MHz RF frequency band 44MHz RF bandwidth 328 feet/100meters max operating range 32 max transmitters per band 24-bit sample rate/resolution 3.2ms latency 120dBA(typical) dynamic	1 set		
time Warranty: 1 year Wireless Microphones Transmitter Lightweight bodypack with microphone Digital predictive-diversity receiver 1760 auto-scan frequencies 1/10mW radio frequency power High-contrast LCD screen Digital UHF wireless technology 514 to 558 MHz RF frequency band 44MHz RF bandwidth 328 feet/ 100meters max operating range 32 max transmitters per band 24-bit sample rate/resolution 3.2ms latency	1 set		



DIDC AND AWADDS COMMITTEE

BIDS AND A	<u>AWARDS (</u>	COMMITTEE		
• 1.25 to 5.5 hours battery charging time • Display and indicator LCD (battery status, channel, group, power) • Receiver • Receiver Type: tabletop/rackmount • 2 x ½ wave external, BNC antenna • LXR 3-pin male balanced mic/line out • 1/4" TRS female balanced output • 0 to +21 dB (3 dB steps) gain range • 30 dB Pad • -18 to +42 dB (balanced, unbalanced) audio output level • On 1/4", XLR output phantom power protection • 20Hz to 20kHz +1/-2 dB (dependent on mic) frequency response • Network I/O: RJ45 (10/100 Mb/s)	AWARDS	COMMITTEE		
Impedance: XLR output 400ohms/150 ohms balanced LCD indicators (AF Level, Channel, Frequency, Group, RF Level, Sync, Transmitter Battery Status) Warranty: 1 year		CDAN	ID TOTAL	
		GKAN	ID TOTAL	
Prices in the above offer are certified true. Sincerely, (Signature over Printed Name of the Au				
		,		
Company Name: Contact No: Email Address:				



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ANNEX A

TECHNICAL SPECIFICATION

Title of Procurement Project: Procurement of Audio and Video Room Equipment

Item	Quantity	Minimum Required Technical Specifications
Video	2 units	Features:
Mixer/Encoder		Encoder, switcher, recorder, monitor (all-in-one)
		• Live switch up to 6 video sources
		No computer/desk workstation required
		Touch screen operation control
		Automatic background replacement & chroma key
		• Supports 4G LTE & built-in battery – live-on-the-go
		Display:
		8-inch LCD display
		• 400 nits brightness
		Ports:
		3 x HDMI video input
		• 1 x USB video input
		• 1 x Ethernet port
		1 x HDMI video output
		• 1 x Type-C 3.0 port
		• 1 x 3.5mm Audio out
		• 1 x 3.5mm Microphone input
		• 1 x 3.5mm Line-input
		Type-C power connector
		1 x multi-card reader
		• 1 x SIM card slot
		Encoded Format:
		• H.264 video
		• AAC (44.1k) audio
		MP4 video recording format
		 Audio Input: 32kHz/44.1kHz/48kHz/16-bit/16kHz
		Live broadcast resolution: 540P/720P/1080P
		Video Storage:
		Card Type: SD Card
		 Card Capacity: Expanded to 128G FAT32 format
		Network Connection:
		• 2.4G/5G WiFi
		 4G Network mobile data connection
		 RTMP(S) network protocol transmission
		Power:
		 Power Interface: Type-C, quick charge 3.0
		Battery Capacity: 10,000mAh
		 Rated Voltage: 5V-3A, 9V-2A, 12V-1.5A
		Warranty: 1 year



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Video Switcher 2	units	Broadcast Monitor
with Broadcast		• 7" IPS screen
Monitor		• 1920x1200 pixels resolution
		• 16:10 aspect ratio
		• 2,200nits daylight display
		HDMI input
		HDMI output
		Stereo headphone output
		Built-in speaker
		Video Switcher
		• 5.5" Full HD IPS screen
		 Live-switch, control, and stream up to 4 HDMI video sources
		• Touch screen operation
		Real-time six-picture preview
		• USB 3.0
		PTZ camera control
		Chroma key and logo overlay
		• 15 transition effects and 9 PiP modes
		• 4 x HDMI video input connectors
		• Input video format: HDMI 1080p @ 23.9/24/30/50/60 fps
		Audio input connector: 3.5mm stereo
		HDMI embedded audio input
		• 2 x video output channels
		Video output connectors (HDMI, USB Type-A female)
		Analog audio output format
		Embedded audio output (HDMI, USB Type-A)
		• 4-way multi-view output via HDMI
		Warranty: 1 year
Video Camcorder 2	units	Sensor resolution: 21 actual megapixel, 14.2 effective megapixel
		• Sensor Type: 1" CMOS sensor
		Optical integrated Lens image stabilization
		 Mechanical filter wheel with 2 stops, 4 stops and 6 stops ND filters
		Video only capture type
		• 1/10000 to 1/16 seconds shutter speed
		• -3 to 33dB gain
		• 3 Lux at 1/50 shutter speed minimum illumination
		• 2300 to 15000k white balance
		 XAVC S 4:2:0, XAVC S, ACHD recording modes
		• UHD 1 to 29.97 fps
		• 10180p: 1 to 1000 fps
		880 minutes recording limit
		Stereo built-in microphone
		 Audio recording: XAVC, Proxy, AVCHD 2-channel 16-bit 48kHz
		audio



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Wireless Video Transmission System	2 sets	 MPEG2 1280x720p at 24p, 30p (3.0Mb/s) MPEG2, UDP: 640x360 at 24p (1.0Mb/s) IP streaming 2.4GHz WiFi 4 (802.11n) wireless connectivity Display: 3.5", 1.5M dot resolution Articulating LCD Viewfinder: built-in electronic (OLED) 0.39" 2.3M dot resolution Automatic and manual focus Warranty: 1 year Wireless video transmitter/receiver set Receiver HDMI & SDI outputs 1000 feet/304.8 meters line-of-sight 1080p 60fps transmission AES-128-bit encryption, 40ms latency DC adapter power and battery Transmitter HDMI/SDI input, SDI loop out OLED screen, USB type-C power input 5.1 to 5.9GHz frequency range 20MHz channel bandwidth 22dBm Radio Frequency Power -80dBm Radio Frequency Sensitivity Wireless Connectivity enabled
		 Supports Video format: HDMI/SDI: 480p to 1080p 23fps to 60fps I/O: Transmitter BNC (3G-SDI) input, HDMI Type A input, BNC(3G-SDI) loop output; Receiver: BNC(3G-SDI) output, HDMI Type A output, USB3.1/USB3.2 Gen 1 (USB type C)
		Warranty: 1 year
Wireless Comms Headset System	1 set	 Wideband clear audio quality for precise coordination Comfortable to wear all day long for hands-free operation 1000ft coverage zone Customizable and expandable for varying team size Number of headsets: (4) single-sided headsets (1-master headset, 3-follower) Digital DECT 1.9GHz wireless technology Analog GFSK wireless modulation Duplex mode echo cancellation -90dBm Approximate Radio Frequency sensitivity Encrypted wireless transmission Mono sound field 150Hz to 7kHz frequency response 115dB maximum sound pressure level 1% Total Harmonic Distortion (THD) Condenser-type microphone Interchangeable mic boom location Unidirectional cardioid pickup pattern 115 dB maximum SPL 10 hours Headset battery runtime 700mAh battery capacity



		BIDS AND AWARDS COMMITTEE
		 2.5 hours battery charging time
		Warranty: 1 year
Wireless	1 set	Transmitter
Microphones		Lightweight bodypack with microphone
		Digital predictive-diversity receiver
		• 1760 auto-scan frequencies
		1/10mW radio frequency power
		High-contrast LCD screen
		Digital UHF wireless technology
		514 to 558 MHz RF frequency band
		44MHz RF bandwidth
		328 feet/ 100meters max operating range
		• 32 max transmitters per band
		24-bit sample rate/resolution
		• 3.2ms latency
		120dBA(typical) dynamic range
		8 hours approximate battery life
		• 1.25 to 5.5 hours battery charging time
		Display and indicator LCD (battery status, channel, group, power)
		Receiver
		Receiver Type: tabletop/rackmount
		• 2 x 1/4 wave external, BNC antenna
		LXR 3-pin male balanced mic/line out
		 1/4" TRS female balanced output
		• 0 to +21 dB (3 dB steps) gain range
		• 30 dB Pad
		 -18 to +42 dB (balanced, unbalanced) audio output level
		On 1/4", XLR output phantom power protection
		• 20Hz to 20kHz +1/-2 dB (dependent on mic) frequency response
		Network I/O: RJ45 (10/100 Mb/s)
		Impedance: XLR output 400ohms/150 ohms balanced
		 LCD indicators (AF Level, Channel, Frequency, Group, RF Level,
		Sync, Transmitter Battery Status)
		Warranty: 1 year

Prepared by:

RAHNEE CHEYSSER H. ESTRADA

PDO IV, ICT Services

Noted by:

PAUL MARK R. MARTINEZ PPO V, Administrative Services