



**PEOPLE'S TELEVISION**  
P A R A S A B A Y A N

**People's Television Network, Inc**  
**Broadcast Complex, Visayas Avenue, Diliman, Quezon City 1100**  
**Telephone No. 3453-1097 / www.ptv.ph**

**BID BULLETIN NO. 1**  
**5 April 2022**

**Supply, Delivery, Installation, Testing, Training & Commissioning of Twelve (12) Units of Professional Broadcast Type Satellite Integrated Receiver/Decoder with Digital and Analog Audio/Video Output with Complete Standard Accessories for People's Television Network, Inc. (PTNI)**  
**ITB NO. 2022-0012**

This bulletin is being issued to revise/clarify certain portions of the bidding documents. This shall form an integral part of the bidding document for the above-stated project.

Item No.	Comments/Queries/Concerns	Response																		
1	With regards to the similar contract for the SLCC, can we use the Headend System with IRD component?	Yes. Any TV broadcast system or equipment related to TV transmitters or satellite uplink/downlink is accepted.																		
2	Where are the Installation Sites?	PTV DTT Provincial Stations: Cebu (Busay), Naga, Guimaras, Cordillera, Davao																		
3	<p>Can you accept the following Specifications? see below table</p> <table border="1" data-bbox="289 1167 791 1659"> <tbody> <tr> <td>Transport Stream Input Interfaces:</td> <td>1 TS Input, 1NPTS/SPTS &amp; 1 Socket</td> </tr> <tr> <td>Transport Stream Output Interfaces:</td> <td>2 ASI output Mirror DVB-CI Interface 2 independent CI slots EN-50221, allow descrambling of channels in 1 TS</td> </tr> <tr> <td>Video Decoding</td> <td>MPEG2 SD 4:2:0 DVB-S MPEG4 HD 4:2:0 DVB-S2 MPEG2 HD 4:2:0 DVB-S MPEG4 HD 4:2:0 DVB-S2x</td> </tr> <tr> <td>Video Formats</td> <td>1080i/25/29.97/30, 720p/50/59.94/60, 576i/25, 480i/29.97, 480p/59.94</td> </tr> <tr> <td>4 stereo pairs audio decoding per Video channel</td> <td>4 embedded SDI audio outputs. For analog, 2 audio stereo output.</td> </tr> <tr> <td>SMPTE 302M</td> <td>Supports Linear PCM pass through for AAC, AC3.</td> </tr> <tr> <td>NOT SUPPORTED</td> <td></td> </tr> <tr> <td>Video Transcoding</td> <td>Not Supported</td> </tr> <tr> <td>Video Outputs</td> <td>MPEG-2 SD 4:2:0 MP @ ML, Not Supported MPEG-2 HD 4:2:0 MP @ HL, Not Supported MPEG-2 HD 4:2:2 MP @ HL, Not Supported MPEG-4 HD 4:2:0 MP @ HL, Not Supported MPEG-4 HD 4:2:2 MP @ HL, Not Supported Output resolution conversion -HD →HD, HD→SD, SD→SD Not Supported</td> </tr> </tbody> </table>	Transport Stream Input Interfaces:	1 TS Input, 1NPTS/SPTS & 1 Socket	Transport Stream Output Interfaces:	2 ASI output Mirror DVB-CI Interface 2 independent CI slots EN-50221, allow descrambling of channels in 1 TS	Video Decoding	MPEG2 SD 4:2:0 DVB-S MPEG4 HD 4:2:0 DVB-S2 MPEG2 HD 4:2:0 DVB-S MPEG4 HD 4:2:0 DVB-S2x	Video Formats	1080i/25/29.97/30, 720p/50/59.94/60, 576i/25, 480i/29.97, 480p/59.94	4 stereo pairs audio decoding per Video channel	4 embedded SDI audio outputs. For analog, 2 audio stereo output.	SMPTE 302M	Supports Linear PCM pass through for AAC, AC3.	NOT SUPPORTED		Video Transcoding	Not Supported	Video Outputs	MPEG-2 SD 4:2:0 MP @ ML, Not Supported MPEG-2 HD 4:2:0 MP @ HL, Not Supported MPEG-2 HD 4:2:2 MP @ HL, Not Supported MPEG-4 HD 4:2:0 MP @ HL, Not Supported MPEG-4 HD 4:2:2 MP @ HL, Not Supported Output resolution conversion -HD →HD, HD→SD, SD→SD Not Supported	Please adhere to the specifications and/or provide the better. Please see revised technical specifications in "Annex A".
Transport Stream Input Interfaces:	1 TS Input, 1NPTS/SPTS & 1 Socket																			
Transport Stream Output Interfaces:	2 ASI output Mirror DVB-CI Interface 2 independent CI slots EN-50221, allow descrambling of channels in 1 TS																			
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4	May we request to extend up to Ninety (90) calendar days upon the receipt of Notice to Proceed. For the reason that there is a global shortage of microchips due to the pandemic.	The delivery period will remain Sixty (60) calendar days.																		
5	Under Technical Specification; Size and Weight: Width: 210-215 mm	Please disregard the dimension and weight requirement. Any Standard size for																		



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	<p>Deep: 350-360 mm Weight: 1.5-1.8kg</p> <p>May we request to consider the below dimension and weight. Size and Weight: Width: 434 mm Deep: 659.25 mm Weight: 16.75kg</p>	<p>professional broadcast equipment is accepted. The IRD must be Equipment Rack mountable.</p>
6	<p>On page 25, under Technical Specification;</p> <p>Video Processing HD video down-converted to SD with aspect ratio conversion - Letter Box, Center Cut - Manual AFD Aspect Ratio Conversion - 16:9 to 4:3 VBI reinsertion in composite video and embedded in SDI</p> <p>May we request that disregard the video processing above specification, these features will be done by another equipment and most of the Decoder not included these features.</p>	<p>Please adhere to the specification requirement. Please see revised technical specifications in "Annex A".</p>
7	<p>On page 25, under Technical Specification;</p> <p>Video Outputs 2x BNC 75 ohms composite video interfaces (per video channel) - 1 - CVBS/SDI Switchable - 1 - SDI May we request that CVBS can be done by additional converter.</p>	<p>Please adhere to the specification requirement. Please see revised technical specifications in "Annex A".</p>

All other information in the Bidding Documents inconsistent with the above is hereby revised accordingly. All other provisions which are not affected shall remain in effect.

For further guidance and information of all concerned.

Thank you.

**ATTY. JASON SHAHEER H. SALENDAB**  
Chairman  
Bids and Awards Committee



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“ANNEX A”

Section VII. Technical Specifications  
**List of Twelve (12) Units of Professional Broadcast Type Satellite Integrated Receiver/Decoder with Complete Standard Accessories with Detailed Technical Specifications.**

**General Note:**

- All equipment must be Professional Broadcast quality;
- Supply power for electronics: Auto Volt/60Hz with AC Power cord;
- Digital Embedded audio/video output signal
- Analog audio/video output signal capability (down-converter with format compatible is acceptable)
- All interface (I/O ports) should be provided in BNC for video and XLR for audio;
- All standard accessories that come with the equipment must be supplied;
- Must receive and handshake with existing PTV satellite uplink system

NO.	DESCRIPTION	SPECIFICATIONS	STATEMENT OF COMPLIANCE	
1	Broadcast Professional			
	Type Satellite Receiver			
	Integrated Receiver			
	Decoder (IRD)			
		<b>RF Input Interfaces DVB-S2/DVB-S2x</b>		
		2x L-Band RF inputs		
		Connector	At least Two (2) x F-type, 75 ohm or N-Type w/ reducer/adaptor	
		Frequency Range	950-2150 MHz	
		LNB Power	13 Vdc, 18 Vdc or Off, 22KHz tone on/off	
		<b>Transport Stream Input Interfaces</b>		
		ASI Input		
		Connector	BNC, 75ohm	
	Packet Length	188/204 byte packets		



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	TS Max Bit Rate	Up to 160 Mbps	
	DVB-S2/DVB-S2x		
	Constellation	8PSK, 16 APSK, 32 APSK, 64 APSK (optional)	
	Symbol Rate	1-45 Mega samples/sec	
	FEC	All ratios compliant with standard	
	FEC Blocks	Short and normal	
	Roll Off	0.05 to 0.25	
	Pilots	On & Off	
	MPEG over IP Input	option	
	TS input	SPTS/MPTS	
	Number of Sockets		
	<b>Transport Stream Output Interfaces</b>		
	ASI Output		
	Number of Outputs	ASI out	
	Connector	BNC, 75ohm	
	<b>Conditional Access</b>		
	BISS	Embedded up to full TS	
	RAS	Embedded up to full TS (optional)	
	DVB-CI Interface	Independent CI slots EN-50221, allowing descrambling of TS (number of PIDs dependent on source) (optional)	
	CA Methods	Multicrypt, Simulcrypt) (optional)	



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	CAS	<i>optional</i>	
	<b>Video Decoding</b>	MPEG4 4:2:0 DVB-S2 MPEG4 4:2:2 DVB-S2 MPEG4 4:2:0 DVB-S2x MPEG4 4:2:2 DVB-S2x MPEG5 DVB-S2 MPEG5 DVB-S2x	
	Maximum Video Rate	Up to 160 Mbps	
	Video Formats	1080p (30,29,25,24,23), 1080i (60,59,50,30,29) 720p (60,59,50), 480i @ 29.97 fps 576i @ 25 fps,	
	Analog video output	NTSC (down-converter is acceptable)	
	<b>Audio Decoding</b>		
	Atleast Two (2) Stereo Pairs Audio Decoding for a total of 4 Channels		
	MPEG-1 Layer I and II	At least 16-bit 48kHz	
	Atleast 1 Stereo Pair Audio Decoding for a total of 2 Channels		
	AAC - LC	At least 16-bit 48kHz	
	HE - AAC v2	At least 16-bit 48kHz	
	Linear PCM	At least 16-bit 48kHz	
	<b>Video and Audio Interfaces</b>		
	Video Outputs		



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	BNC 75 ohms composite video interfaces (per video channel)	CVBS/SDI Switchable (Output resolution Down converter (HD→SD/composite) is acceptable)	
	Format: NTSC/PAL		
	1x BNC 75 Ohms SD		
	1x BNC 75 Ohms HD/SDI with embedded audio		
	1x Analog video		
	1x HDMI	<i>optional</i>	
	Power Voltage	90-250VAC, 60 Hz Auto Volts	
AC Cord	3-Prongs 2-Flat & 1-Round	AC Cord with 3-Prong (2-Flat) for Line/Neutral and (1-Round) for Ground	
Digital Video Cable	5-meter with connector	Compatible to Full HD Signal output source with BNC connector	
Analog Video Cable	5-meters with connector	Compatible to Analog Composite Video output signal with BNC connector	
Analog Audio Cable	5-meters with connector	Compatible to Analog Audio for A1-Left and A2-Right output with connector	
RF Cable	5-meters with connector	RF-Cable with connector compatible to RF-Splitter 4-Way with power pass	
RF-Splitter	4-Way with power pass	4-Way with power pass compatible to Satellite/Digital TV Splitter 5Mhz-2.4Ghz	



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	Installation & Service	Equipment/Upgrade/Technical Support	Testing, Installation, Training, Commissioning, Software & Firmware Update,	
			Upgrade via USB and/or Internet, Service and Technical Support.	