

NATIONAL INSTITUTE OF RURAL DEVELOPMENT
(An Organisation of the Ministry of Rural Development, Govt. of India)
Rajendranagar, Hyderabad 500 030

**SHORT TENDER NOTICE
FOR SUPPLY AUDIO VISUAL EQUIPMENT**

Sealed quotations are invited from reputed manufacturers/dealers/suppliers with an annual turn over of Rs 50 lakhs and above for supply of audio visual equipment.

2. For further details regarding tender forms, terms and conditions, EMD and last date for submission of sealed quotations visit our website www.nird.org.in or contact phone No.24008479.

No.Stores/09/23
Dated: 14.6.2010

Sd/-
ASST.REGISTRAR (T)
NIRD, Hyderabad – 30.

NATIONAL INSTITUTE OF RURAL DEVELOPMENT
(An Organisation of the Ministry of Rural Development, Govt. of India)
Rajendranagar, Hyderabad 500 030.

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INVITATION FOR BIDS
(For supply of audio visual equipment)

Sealed quotations are invited from reputed manufacturers/dealers/suppliers with an annual turn over of Rs 50 lakhs and above for supply of audio visual equipment. Proforma for quotation, detailed specifications, terms and conditions for supply of audio visual equipment may be seen below.

2. It is requested to submit your sealed quotations in the prescribed format along with the prescribed earnest money deposit of Rs 80,000/- (Rupees fifty thousand only) which will not carry interest whatsoever and other documents duly superscribed "quotation for supply of audio visual equipment" on the cover should reach the office of the Asst. Registrar (T), NIRD on or before 29.6.2010 upto 3.00 p.m. and the technical bids will be opened on the same day at 3.30 p.m.

Sd/-
ASST.REGISTRAR (T)
NIRD, Hyderabad – 30.

Stores/2009/23
Dated: 15.6.2010

NATIONAL INSTITUTE OF RURAL DEVELOPMENT
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Rajendranagar, Hyderabad - 500 030

**“To be sealed in envelope
Marked Cover – A”**

SUPPLY OF AUDIO VISUAL EQUIPMENT

QUOTATION

To

The Registrar & Director (Admn)
National Institute of Rural Development
Rajendranagar, Hyderabad - 500 030

Sir,

Sub : Quotation for supply of audio visual equipment - Reg.

...

PART - I : COMMERCIAL DETAILS

1. Name and address of the bidder:
2. Telephone Nos.:
3. Fax No.:
4. Month and year of establishment:
5. Please indicate whether your firm is a :
Manufacturer/wholesale dealer or retailer

6. Names of three major customers preferably Government or Semi Government to whom audio visual equipment supplied in the preceding three years

(i)
(ii)
(iii)

7. Mention Municipal certificate/VAT Registration details:

8. Annual Turn Over during 2007-08
2008-09
2009-10

9. Please attach copies of annual returns of Sales tax and income tax for the last three years ie., 2007-08, 2008-09 and 2009-10.

10. Please enclose a copy of the specifications of the equipment proposed to be supplied by you.

10. EMD details : DD No. _____
For : Rs 80,000/-
Bank (Branch) _____
Drawn on _____
Date : _____

Date:

SIGNATURE OF THE
BIDDER & STAMP

Encl : DD No _____ drawn on _____
For Rs 80,000/- dated _____ is enclosed

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**“To be sealed in envelope
Marked cover – B “**

PART – II: FINANCIAL BID

Having examined the documents and requirement of audio visual equipment of NIRD as per the specifications indicated in Annexure-A, I/We the undersigned, offer to supply them as quoted below:

Rate quoted as per the list attached at Annexure-I.

2. Further, we accept all the terms and conditions of the documents in bid form and this acceptance shall prevail over any other conditions, if any given in our bid.
3. We undertake to supply the audio visual equipment within the stipulated time as indicated in purchase order.
4. Rates quoted are inclusive of all custom duties, excise duties, other taxes, packing, forwarding, transportation, insurance and other local costs incidental to delivery of the audio visual equipment at the Stores Section, NIRD, Rajendranagar, Hyderabad 500 030.

SIGNATURE OF THE
BIDDER & SEAL

Date:
Place:

Note: Each page of the quotation as per Annexure should be signed by the bidder.

NATIONAL INSTITUTE OF RURAL DEVELOPMENT
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Rajendranagar, Hyderabad - 500 030

SUPPLY OF AUDIO VISUAL EQUIPMENT

TERMS AND CONDITIONS:

The following are the terms and conditions for the supply of audio visual equipment:

1. The sealed quotations for supply of audio visual equipment will be accepted up to 3.00 pm on 29.6.2010. The sealed covers with Mark "A" i.e. Pre-Qualification Tender will be opened at 3.30 pm on the same day in the presence of those bidders or their authorized representatives. After thorough scrutiny of the details in the cover "A" by the Tender committee, the cover "B" i.e. Financial Bid in form B of those firms who are qualified will be opened in the presence of those bidders who may choose to attend after due intimation to those who are qualified and the Tenders will be finalized thereafter. The bidders should drop the sealed quotations in the tender box kept in Stores Section.
2. The bidder should enclose Demand Draft for Rs 80,000/- (Rupees eighty thousand only) in favour of "NIRD", towards EMD drawn on any commercial bank at Hyderabad and the same should be attached to the quotation. The EMD will not carry any interest whatsoever.
3. Quotations received after due date will be rejected. Similarly, bids not accompanied with the requisite EMD will be rejected.
4. The list of audio visual equipment items to be supplied is indicated in the Annexure enclosed for quoting the rates in financial bid.
5. The dealer should provide needed training to the identified staff of the Institute.
6. Successful bidder will be required to pay security deposit @ 10% of the value of the audio visual equipment which will not carry any interest.

7. The bidder should enclose attested photostat copies of (i) the registration certificate of the firm/agency (ii) Income Tax return/assessment order; and (iii) Sales Tax return/assessment order for the last three years i.e. 2007-08, 2008-09 and 2009-10 along with the quotation. The quotation is liable to be rejected in the absence of these documents.
8. NIRD reserves the right to forfeit the EMD of empanelled firm on account of (a) premature withdrawal from the tender (b) non-payment of security deposit. The decision of the Director General, NIRD shall be final in this regard.
9. NIRD reserves the right to forfeit the security deposit of the empanelled firm who does not supply the audio visual equipment as per approved specifications within the stipulated time etc., as per the purchase order. The decision of the Director General, NIRD shall be final in this regard.
10. Penalty as may be decided by the Director General, NIRD is liable to be levied on the firm/agency who do not supply the audio visual equipment according to quality/specification and time limit specified in the Purchase Order. The supply should be as per quality/specifications/time period and sample provided by the Institute.
11. The Institute shall place purchase order on L1 firm for supply of audio visual equipment. The bidder should deliver them at the Stores Section, NIRD, Rajendranagar, Hyderabad – 500 030 in good condition and in accordance with the Purchase Order. In case of any fault in the delivered goods the same will be returned back and the supplier should replace it.
12. The quotation should be sent in a sealed envelope superscribing the “quotation for supply of audio visual equipment”.
13. Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between the amount quoted in words and figures, amount quoted in words shall prevail.
14. Payment terms are full payment, after receipt and acceptance of the audio visual equipment by the authorized representative of the Institute and on submission of the bill along with the list of audio visual equipment supplied as per the purchase order. No advance amount will be paid. Statutory taxes as applicable at source will be deducted from the Bill. All payments will be made by crossed cheque payable at Hyderabad.
15. The Institute has the right to entrust the supply of audio visual equipment to one or more manufacturers/distributors/wholesalers.

16. The successful bidder should impart basic training to minimum two persons of the Institute for a period of one month.
17. The equipment supplied should be with three years comprehensive warranty.
18. The specifications of the equipment proposed to be supply should be of national / international standards, specified for particular products.
19. In the event of any question, dispute or difference arising under these conditions or any conditions contained in the Purchase order or in connection with this contract, the same shall be referred to the sole arbitration of the Director General or some other person appointed by him. The award of the arbitrator shall be final and binding on the parties to this contract.
20. Director General, NIRD reserves the right to reject any or all the quotations received without assigning any reasons whatsoever.

**REGISTRAR &
DIRECTOR (ADMN)**

Annexure-I**SPECIFICATIONS AND ALLIED TECHNICAL DETAILED OF DIGITAL INTERACTIVE CONFERENCE SYSTEM**

S.No	Nomenclature	Brief description of the equipment	Qty.	Rate per unit (Rs)
1	Central control unit	Central Control Unit (CCU) includes features for controlling delegate microphones, distributing simultaneous interpretation and conducting voting sessions, as per Annexure A	1	
2	Discussion Unit with Dual Channel Selection	Discussion Unit with dual Channel Selector pluggable microphone, dark base as per Annexure A	45	
3	Rims for Discussion Units	Rim Metal Semi Gloss (10 pcs) metal, semi gloss, set of 10 as per Annexure A	3	
4	Pluggable Long Microphone	Pluggable Long Microphone length 480 mm (18.9 inch), silver as per Annexure A	45	
5	Buttons for Dual use Discussion Unit	Buttons for Dual use Discussion Unit set of 10 as per Annexure A	3	
6	Buttons for Chairman Discussion Unit	Buttons for Chairman Discussion Unit set of 10 as per Annexure A	1	
7	Cable clamps for Discussion Unit	Cable clamps for Discussion Unit set of 25 as per Annexure A	2	
8	Cable locking Clamps	Set of 25 Cable locking Clamps as per Annexure A	1	
9	Conference Software Main Module	Conference Software Main Module a platform on which all other Conference software modules run as per Annexure A	1	

10	System Installation Software	System Installation Software as per Annexure A	1	
11	Synoptic Microphone Control Software	Synoptic Microphone Control Software as per Annexure A	1	
12	Automatic Camera Control Software	Automatic Camera Control PC controlled Software as per Annexure A	1	
13	DCN Trunk Splitter	DCN Trunk Splitter 2 m (78.7 in) cable, charcoal as per Annexure A	1	
14	DCN Extension Cable 10m	DCN Extension Cable 10 m , terminated with connectors as per Annexure A	3	
15	Autodome Camera	Autodome Camera, In Ceiling, 18X day/night Camera as per Annexure A	2	
16	Allegiant Video Switcher	Allegiant Video Switcher, 8 Inputs as per Annexure A	1	
17	Keyboard for Allegiant Switcher	Keyboard for Allegiant Switcher as per Annexure A	1	
18	Video Scalar	Two Input Video Scalar as per Annexure A	1	
19	Matrix Switcher	4X8 VGA and Stereo Audio Matrix Switcher as per Annexure A	1	
20	Cable Cubby Boxes	Cable Cubby Boxes for laptop Video & Audio as per Annexure A	2	
21	DVD Recorder	DVD Recorder as per Annexure A	1	
22	LCD projector	3000 Ansi Lumens , CR 5000:1 Wireless Projector as per Annexure A	2	
23	Mounting Kit For LCD Projector	Mounting Kit For LCD Projector as per Annexure A	2	
24	Motorized Screen	120" diagonal Motorized Screen(MATT White cosmo politan electro video format) as per Annexure A	2	
25	LCD TV	LCD TV as per Annexure A	6	

	LCD TV	LCD TV(Optional)	6	
26	Feedback suppressor	Feedback suppressor as per Annexure A	1	
27	Mixing Amplifier	Mixing Amplifier,240W as per Annexure A	1	
28	Linearray Speakers	Linearray Speakers,30W as per Annexure A	8	
29.	VGA Cable	VGA Cable(In Meters) (as per actuals)	300	
30	Microphone Cable	Two Core Shielded microphone Cable(In Meters) (as per actuals)	100	
31	Video Cable	RG 6 Cable(In Meters) (as per actuals)	100	
32	Cat 5 cable	cat 5 cable (In Meters) (as per actuals)	100	
33	Loud speaker cable	Two Core shethed 1 sqmm speaker cable(In Meters) (as per actuals)	150	
34	Power cable	Three Core 1.5 sqmm power cable (as per actuals)	100	
35	PVC Conduite	19mm PVC Conduite (as per actuals)	500	
36	Control rack	24U Control rack	1	
37	Connectors &Accessories	Connectors &Accessories (as per actuals)	1 Lot	
38.	Mikes	Wireless (Handheld)	4	
39.	Mikes	Wireless (Lavalier)	2	
40.	Cabling	Automation cabling (complete Hall)		
41.	Computer system	Server grade/high end computer system	1	

SIGNATURE OF THE
TENDERER

Date:

ANNEXURE-I**TECHNICAL SPECIFICATIONS AND FEATURES****1) CENTRAL CONTROL UNIT:**

The product shall have following features and benefits

- Base microphone management facilities
- Four operational microphone modes:
 1. open: microphone button control with request –to speak(Auto)
 2. Override: microphone button with override of activated microphones (FIFO)
 3. Voice: voice activated microphones
 4. Push-to-talk (push and hold button to speak)
- Number of open microphones between 1 and 4
- Basic voting control for parliamentary voting procedure. Delegates can register 'Present 'YES', 'NO' and 'Abstain'. The concentus unit can start, stop and suspend the voting. The total results can be displayed on hall displays and on the LCD screens of the units.
- A large function which activated a voting a voting tone. With this tone the chairman can indicate that a voting round is about to start.
- Basic simultaneous interpretation functions with as 31 language channels plus one floor channel.
- Basic intercom function with function to assign intercom operator and intercom chairman (both can be called from the interpreter desk)
- Stand-alone automatic camera control.
- Extended conference facilities when using control PC software or remote controllers
- Adjustable sensitivity for the audio inputs
- Adjustable level for the audio outputs
- Audio insertion facility to connect external audio processing devices or telephone couplers
- Configuration of CCU and system via a display and a single rotary push button
- The CCU can be assigned a unique name by the installer for easy identification
- VU meter reading to monitor audio inputs and audio outputs. The audio can be monitored using a headphone
- 19" (2U) housing for tabletop or rack mounting.

The Product shall have the following controls and indicators

- Mains on/off switch at front
- 2 x 16 Character LCD display at the front for status information and CCU configuration
- Rotary control at the front to navigate through the LCD menus
- Two red LED overload indicators for the DCN network outputs at the rear
- Two red LED overload indicators for the optical connections at the rear
- Euro mains socket with built-in fuse, matching 1.7 m mains cable (66.9 in) included
- Two DCN outlet sockets for connection of units, plus extension power supplies. Each socket is protected against short-circuit (2 x six-pole circular sockets)
- Two optical network connections for connection of Audio Expanders
- Two three-pole XLR balanced audio line inputs with optional galvanic separation

Technical Specifications

Electrical

Supply voltage	110/240 V +/- 10 %
Power consumption	200 W
DCN system supply	40 VDC, max 65 W per DCN socket
Optical network supply	40 VDC, max 65 W
Total supply power	130 W
RS-232 connection	2 x nine-pole Sub-D female socket
Frequency response	30 Hz – 20 kHz (-3 dB at nominal level)
THD at nominal level	< 0.5 %
Cross talk attenuation	> 85 dB at 1 kHz
Dynamic range	> 90 dB
Signal-to-noise ratio	> 87 dBA

Audio inputs

XLR nominal output	12 dBV (+/- 6 dB)
XLR maximum output	+12 dBV
Cinch nominal input	24 dBV (+/- 6dB)
Cinch maximum input	+0 dBV

Audio outputs

XLR nominal output	12 dBV (+6/- 24 dB)
XLR maximum output	+12 dBV
Cinch nominal output	24 dBV (+6/- 24 dB)
Cinch maximum output	+0 dBV

Mechanical

Mounting	Free-standing or mounted in a 19"-rack
Dimensions (H x W x D)	88 x 483 x 350 mm (with brackets, without feet) 92 x 440 x 350 mm (without brackets, with feet)
Weight	7 kg (15,4 lb)
Color	Charcoal (PH 10736) with silver

2) WIRED DELEGATE UNIT:

The Product shall have the following features and benefits

- Headphone output level reduction to prevent acoustic
- Feedback (activated when listening to the floor and when the microphone is on)
- The unit can be a delegate unit or as a chairman unit (the chairman button to be order separately)
- To lock the loop-through cable
- The unit should available with two different microphones
- The unit should be use for Simultaneous Interpretation system for more than one language is there with channel selection.
- It should have provision for two delegates can speak, register for request and different channel selections for SI.

The Product shall have the following controls and indicators

- Microphone with red or green indicators
- Microphone button with a red, green or yellow
- Illuminated ring. Red indicates microphone is active,
- Green indicates request-to-speak accepted, and yellow indicates 'VIP'
- VIP indicator is lit when the delegate is part of the notebook (only available if PC software is used)
- Headphone volume control buttons
- Recesses 'De-init' switches

The Product shall have the following interconnections

- Two 3.5 mm (0.14in) stereo jack type headphone sockets
- 2m (78.7) cable terminated within a molded six-pole circular connector
- Six-pole circular connector for loop-through connectors

Technical Specifications

Electrical

Frequency response	-	30 Hz – 20 kHz
Headphone load impedance	-	> 32 ohm < 1 k ohm
Output power	-	2 x 15 mW/32 ohm

Mechanical

Mounting and flush mounting	-	Tabletop (portable or fixed mounting)
Dimensions (H x W x D) (without microphone)		
Tabletop	-	61 x 190 x 116 mm (2.4 x 7.5 x 4.6 in)

Flush mounted	-	6 x 190 x 120 mm (0.2 x 7.5 x 4.7 in)
Weight	-	800 g (1 .76 lb)
Color top	-	Silver (RAL 9022)

3) Rims for discussion Unit:

For the discussion unit rims should be attached

Technical Specifications

Mechanical

Mounting Click and fit on any Discussion unit

Color -Semi gloss metal

4) Pluggable Microphone:

The microphone must be innovative, stylish and ergonomically designed microphone with an adjustable stem simply plugs directly into a Discussion unit, Concentus, flush-mounted Microphone Connection panes or Interpreter desk.

It has a uni-directional response for optimum performance even in noisy conditions, and includes an indicator which is red when the microphone is on and green when the delegate unit is in the request state.

It has low susceptibility to interference from mobile phones.

Features and Benefits

- Uni-directional microphone on adjustable stem
- Built-in pop and windshield

Controls and Indicators

- Red or green illuminator. Red indicates microphone is active, green indicates request-to-speak accepted.

Interconnections

- Connector to plug and fasten the microphone

Technical Specifications

Mechanical

Mounting Plug and fasten into Discussion units, Concentus, flush mounted Microphone connection panels and Interpreter desks

Length	:	480 mm (18.9 in)
Weight	:	115 g (0.25 lb)
Color	:	Silver (RAL 9022)

5) Buttons for Dual Use Discussion:

Sets of 10 buttons for Dual Use Discussion Units replace the single microphone button on a discussion unit when used in dual delegate mode.

Technical Specifications

Mechanical : Mounting Click and fit on any Discussion unit

Color : Silver (RAL 9022)

6) Buttons for Chairman Discussion Unit:

Sets of 10 buttons for Chairman Discussion Units replace the single microphone button on a Discussion unit when used in chairman mode. These buttons can also be used for the Discussion unit in Auxiliary control mode.

Technical Specifications

Mechanical : Mounting Click and fit on any Discussion unit
 Color : Silver (RAL 9022)

7) Cable Clamps for Discussion Unit:

Set of 25 cable clamps for Discussion Unit secures loop-through cable to next unit.

Technical Specifications

Mechanical

Mounting : Click and fit on any discussion unit
 Color : Charcoal (PH 10736)

8) Cable Locking Clamps:

Matching clamps for male/female cable connectors such as those on the Extension Cables. One clamp per male/ female connector required.

9. Conference Startup Software:

The Software must support following

- Setting master volume levels
- Opening, closing and deleting Installation File
- Configuring the Startup program to automatically load selected DCN Next Generation modules
- Accessing, acknowledging and printing error messages
- On-screen help facility

10. System Installation Software:

The Software must support following

- Single-point control of system installation
- Facilities for assigning functions to audio channels
- In-conference warning message when installation configuration changes
- On-screen help facility

11. Synoptic Microphone Control Software:

The Software must support following:

- Easily-created synoptic layout used for microphone control
- Single-point control of all microphone units
- various microphone control options

- Output to printer and/or external equipment such as cameras
- On-screen help facility

Functions:

- Control by operator with request-to-speak list (manual)
- Control by delegate with request-to-speak list (open)
- Control by delegate with override of other delegate microphones (first-in-first-out)

12. Automatic Camera Control Software:

The Automatic Camera Control Software interfaces congress systems with the Allegiant series of video control switchers.

It selects fixed or pre-positioned camera) to be activated to display the current active speaker at a conference.

Functions

- When a chairman or delegate microphone is activated on the DCN Next Generation equipment, the camera assigned to that position is activated.
- When no microphones are active, an overview camera is automatically selected.
- The image can be displayed on hall displays or other monitors together with information about the current speaker if required (such as delegate identification).
- The system operator has a monitor, which also displays information about which camera is active. This system provides an extra dimension to congress and conference proceedings.

13) Trunk Splitter:

The Trunk Splitter is for in conjunction with the system installation to divide the trunk-line cabling, thus allowing system installers to optimize layout of the trunk-line and contribution equipment to suit the conference venue. The Trunk Splitter comes complete with cable restraining clamps and includes mounting holes for fixing to a floor or wall.

Interconnections

- 2 m (78.7 in) long cable terminated with a molded Six-pole circular connector
- Six-pole circular connector for loop-through connections
- 2 x six-pole circular connector for trunk cable splitting and pulse regeneration purposes

Technical Specifications

Mechanical

Mounting	: Floor, cable duct or wall mounting
Dimensions (H x W x D)	: 35 x 49 x 140 mm (1.4 x 1.9 x 5.5 in)
Weight	: 0.3 kg (0.66 lb)
Color	: Charcoal (PH 10736)

14) Extension Cables:

10M Extension Cable :10 m (33.0 ft) terminated with connectors

15) 18 X Auto Dome Camera/ PTZ Camera

Horizontal Resolution : 470 TVL with 18X Optical Zoom
 Imager : ¼ in. Ex-View HAD CCD
 (752 X 582 PAL) (768 X 494 NTSC)
 Lens : 18X Zoom (4.1 -73.8 mm)
 F1.4 to F3.0
 Focus : Automatic, with manual override
 Iris : Automatic, with manual override
 Field of View : 2.7 deg to 48deg
 Video Output : 1.0 Vp.p, 75 ohm
 Gain Control : off/ Auto (with adjustable limit)
 Synchronization : Line-Lock (-120 deg to 120 deg vertical
 Phase adjustable) or internal crystal
 Digital Zoom : 12 X
 Sensitivity typical : 30 IRE 50 IRE
 SNR Ratio : > 50dB
 White Balance : 2000K to 10,000 K
 Pan Range : 360 deg continuous
 Tilt Range : 1 deg above Horizon
 Preset Position speed : Pan 360 deg/Sec Tilt 210 deg/ Sec
 Operating Temperatures : - 10 deg to 50 deg
 Preset Positions : 99, each with 16- character titles
 Humidity : 0 deg to 90 deg relative Non condensing
 Certificates : UL, CSA, EN and IEC Standards

16) Allegiant Switcher for integrating the cameras to the conference system

Video Inputs (Standard) : 8
 Video Inputs (Looping) : 8
 Video Inputs (Satellite) :256
 Video Outputs : 2
 Alarm Inputs : 8
 Alarm outputs : 2
 Bi-phase outputs : 8
 Keyboards : 2
 RS 232 ports (console) : 1
 RS 232 ports (Printer) : 0
 Receiver/Drivers (Standard) : 8

Receiver/Driver (Satellite)	: 256
Input Voltage level	: 0.5 Vp.p to 2Vp.p (Composite Negative Sync)
Gain	: Unity + or – 2% (75 ohm terminated)
Pulse/ Bar Ratio ¹	:94% to 106%
Field Time wave Distortion	: 2% Maximum
Video Bandwidth	: 22 MHz
Switching	: Cross point Matrix
Operating Temperature	: 4 deg to 55 deg
Product Safety	: UL, CSA, EN and IEC Standards

17) KBD-Universal

Control matrix, DVR, and IP video products with one Keyboard
Soft keys allow for product-specific menus
Backlit keys and easy-to-read displays
Simplified system programming with an intuitive Interface
Multilingual support
Plug-and-play with Bosch Switchers, DVRs, Multiplexers, and IP solutions
Optional PC software allows for customizable keys for use with Allegiant command scripts

18) Two Input Video Scalar for changing cameras Composite to VGA signal

Number/Signal type	: 1 S-Video : 1 composite video
Connectors	: (1) 4-pin mini DIN female (s-Video) 1 BNC female(Composite video)
Minimum/Maximum levels	:Analog:0.0 V to 1.0 Vp.p with no offset
Horizontal, Vertical frequency and Resolution range	: NTSC 3.58. NTSC 4.43, PAL, SECAM
Video Processor: Decoder	: 9 Bit digital
Digital Sampling	: 24 bit , 8 bits color.13.5 MHzStd
Colors	: 16.78 million
Impedance	: 75 Ohms
Number/signal type	: 1 scaled RGBHV, RGBS
Connectors	: 1 female 15-pin HD
SYNC output type	: RGBHV, RGBS
Standard	: NTSC 3.58, NTSC 4.43,PAL
Max Propagation delay	: 20 ns
Polarity	: Negative
Power	: 100 VAC TO 240 VAC,50/60 Hz 30 Watts, internal, auto switchable

Safety Listings & Compliance : UL, CUL, FCC, CE, VCCI, ICES

19) Matrix Switcher with 4 Inputs and 8 outputs and Stereo Audio

Product : 4 Inputs and 8 Outputs VGA and Stereo Audio
 Performance : Ultra wide band performance 350 MHz (- 3dB)
 Audio outputs : Balanced and Unbalanced audio Outputs
 Presets : Global
 Gain : Unity
 Band width : 350 MHZ (-3dB)
 Number/Signal Type : VGA-UXGA RGBHV, RGBS, RGSB, RsGsBs
 Video Output Nominal Level : 1Vp.p for Y component video and S video and for composite video
 Audio- Frequency : 20 Hz to 20 kHz
 Impedance : 18 K ohms unbalanced, DC coupled
 Nominal Level : 10 dBv (316 mV) (default)
 Maximum level : >+ dBv
 Power : 100 VAC TO 240 VAC, 50-60 Hz, internal 30 watts
 Safety Listings & Compliance : UL, CUL, FCC, CE, VCCI, ICES

20) Cable Cubby Boxes

Accommodates up to five single-space AAP - Architectural Adapter Plates, depending on version

Offers convenient access to cable connections

Top surface available in black anodized or brushed aluminum finishes

Optional AC power outlets available for US, Europe, and other major world markets

Available Universal AC outlet is compatible with a variety of AC plug types including UK, 2-Pin Europlug, Italy, Denmark, and India*

21) DVD Recorder

Support format : PAL and all formats

Supported media format (reading)	: CD-R , CD-RW , SVCD , DVD-R , DVD+RW , DVD-RW , DVD+R , DVD , CD , Video CD , DVD+R DL , DVD-R DL
Supported digital video standards	:MPEG-1 , MPEG-2 , MPEG-4 , DivX (ver.4) , DivX (ver.5) , DivX (ver.3.11) , DivX (ver.6)
Supported digital audio standards	: WMA, MP3
Connections	: Fire wire, USB, SPDIF, S-video, HDMI Composite video
Remote control Technology	: yes : Infrared
DVD features	
Features	: Progressive scanning ,JPEG photo playback
MP3 Compatible	: yes
Video D/A converter	: 10bit / 54MHz
Audio D/A converter	: 24 bit/ 96kHz
Upscaling	: Yes
Sound system	
Audio output mode	: Stereo
Digital audio format	: Dolby Digital output

22) LCD Projector 3000 and above Ansi lumens

Light Output	: 3000 ANSI lumens in Echo mode
LCD Panel	: 0.63 inch (1024X768) LCD with micro lens array (Aspect Ratio 4:3)
Lens	: Zoom Ratio 1 to 1.2 Throw Ratio 1.5- 1.8:1 F1.70-2.07,f = 18.9-22.7
Lamp Life(Echo Mode)	: 2500 H & above (3500 H)
Contrast Ratio (White/Black)	: 500:1
Image Size	: 21 Inch to 300 Inch
Maximum Resolution	: UXGA 1600 X 1200 (1400 X 1050 @60 Hzon HDMI)
Input Terminal	: 2Computer/component Input in 2D sub mini 15 pin having composite signals like VGA, SVGA, XGA, SXGA, SXGA+, UXGA, RGB (Analog)- 0.7 Vp.p/ 75 ohm H/V Sync - 4.0 Vp.p/TTL Level HDMI Input – compatible signals: VGA, SVGA, XGA, SXGA, (Max: SXGA/60Hz)1 Video Input- 1RCA Pin: NTSC/NTSC4.43/PAL/PAL-N-

	M/PAL-60/SECAM1 RCA pin x 2-stereo L(MONO)/R: 0.5 Vrms /22 Kilo Ohms or over
	1 Mini DIN-4 pin- Y : 1.0 Vp-p/ 75 ohms
	1 RCA pin x 2-stereo L(Mono)/ R: 0.5Vrms/22 Kilo Ohms or Over
Out Put Terminal	:1 RGB Output: selected computer 1 or 2 signal 1 Audio Out : Variable output level selected computer 1 , computer 2, HDMI (computer2 input)Video, S-video signal
Built In speaker	: 5W Monaural

23) Mounting Kit for Projector

Universal Mounting Bracket with 3 Feet long steam which can be extended to 6 feet

24) 100" / 120" Motorized Screen

Product Description	: 100IN DIA COSMO ELECTIC WALL MATTE WHITE 4:3 60X80IN
Type of the product	: Motorized Projection screen
Screen Image Diagonal size	: 100IN (254 CM)
Projection Image Size	: 80IN X 60IN
Screen Surface	: MATTE WHITE
Material of the Screen	: Fabric

25) 42"/52" LCD TV

Resolution	: 1920 X 1080 P
Brightness (Cd/M Square)	: 500 Cd/ M Square
Viewing Angle	: 178/178
Color Reproduction (RGB)	: 10 Bit
Life (Hrs)	: 60,000 Hrs
Aspect Ratio	: 16: 9
Digital Comb Filter	: 3D Comb Filter
Main Input for Picture in Picture	: Composite/RGB/HDMI
Sub Input	: TV/AV
Audio Function	: Stereo with 1way 2 speakers system having SRST3XT surround system, smart volume, Clear voice and 5 Modes of sound
Connectivity (Side)	: AV/HDMI
Connectivity (Rear)	: RF, AV, AV OUT, Component in + audio, HDMI/HDCP, RGBIN(D Sub 15 Pin),PC, Audio Input.
Accessories	: Stand, Remote, Battery (2AA)

26) Feed Back Suppressor

Patented feedback suppression algorithm
Suppresses feedback before it occurs
Automatically adapts to the acoustical situation
Up to 12 dB additional gain before feedback occurs
Balanced line or microphone input with phantom supply
Second microphone input with automatic mixer

27) Amplifier 240 Watts

Rated Output	: 240 Watts
Frequency Response	: 50 Hz to 18 kHz (+1/-3 db)
Distortion (at rated output power 1kHz)	: <3%
Inputs	: 4 Balanced inputs/Stereo Line Inputs
Impedance	: 1 Kilo Ohm balanced
Sensitivity	: 1.0 mV (mic inputs)
SIN	: >75 Db
Chime input	: 0/2 (off/on) selected-on DIN
Speech filter response	: -3 dB at 315 Hz
Phantom Power	: Yes (on mic input 1) (Through 5 pole DIN connected only)
Multiple outputs	: 4 ohm, 8 ohm, 70V, 100V

28) Line Array Speakers

Maximum Power	: 45 W
Rated Power	: 30W (30-15-7.5W)
Sound Pressure Level at 30W/1W at 1kHz And 1m	: 106dB/91dB (SPL)
Effective Frequency Range (-10dB)	: 190 Hz to 18 KHz
Opening Angle (at 1kHz/4kHz, -6dB)	
Horizontal	: 220 deg/ 130 deg
Vertical	: 70 deg/ 18 deg
Rated Input Voltage	: 100 V
Rated Impedance	: 333 Ohms
Ambient Temperature	: -25 deg to +55 deg

38) Wireless Microphone System

Wireless Receiver:

Specifications:

- Automatic Transmitter Setup, Automatic Frequency Selection
- More Selectable frequencies across bandwidth,
- 1/4 wave antennas
- Microprocessor- controlled diversity
- Channel display LED , XLR and 1/4" outputs

Wireless Microphones:

- Multi-function LED Indicator (power, lockout, mute, low battery)
- 2 AA batteries/ 9V batteries provide Long hours of continuous use
- Ideal size for Conference halls , Big Auditoriums, Open Theater, and sound reinforcement
- Full, clear sound comparable to normal microphones
- Smooth extended frequency response
- Low distortion, wide dynamic and long range
- Low battery indicator

39) Lavalier Wireless System

Wireless Receiver:

Specifications:

- Automatic Transmitter Setup, Automatic Frequency Selection
- More Selectable frequencies across bandwidth,
- 1/4 wave antennas
- Microprocessor- controlled diversity
- Channel display LED , XLR and 1/4" outputs

Wireless Transmitter:

- Automatic Transmitter Setup
- Multi-function LED Indicator (power, lockout, mute, low battery)
- 2 AA batteries provide Long hours of continuous use

Lavalier Microphones:

- Ideal size for Conference halls , Auditoriums. Theater, and sound reinforcement
- Full, clear sound comparable to larger microphones
- Smooth extended frequency response

- Controlled low-frequency roll off reduces low-frequency clothing and room noise
- Low distortion, wide dynamic range
- Low battery indicator

41) Server Grade/High end computer system (Latest Version)