

ವಾಯವ್ಯ ಕರ್ನಾಟಕ ರಸ್ತೆ ಸಾರಿಗೆ ಸಂಸ್ಥೆ
ಉಗ್ರಾಣ ಮತ್ತು ಖರೀದಿ ಇಲಾಖೆ
ಕೇಂದ್ರ ಕಛೇರಿ, ವಿಭಾಗೀಯ ಕಾರ್ಯಾಗಾರದ ಆವರಣ,
ಗೋಕುಲ ರಸ್ತೆ, ಹುಬ್ಬಳ್ಳಿ-580 030.



**NORTH WESTERN KARNATAKA ROAD
TRANSPORT CORPORATION**
Controller of Stores and Purchases
Central Office, Divisional Workshop Premises
Gokul Road, HUBBALLI - 580 030.

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No.NWKT/CO/HBL/COSP/734/23-24

Date: 17/11/2023

To,

M/s. _____

The Interested Parties.

Enquiry No : 11/2023 Date: 17/11/2023
Closing Date: 24-11-2023 up to 15.00 Hrs.
Opening Date: 25/11/2023 @ 12.00 Hrs

Sir,

Sub: - Supply and Installation of Video Conference Camera and Quadro MIC with Speaker.

We request you to quote your lowest rates for supply and installation of Video Conference Camera and Quadro MIC with Speaker at Conference Hall NWKRTC Central Office for conducting video conference as per terms & conditions mentioned below. The sealed quotations duly super scribed with Enquiry No. & Date may be sent to the office of Controller of Stores and Purchases, NWKRTC Stores and Purchase Department, Central Office NWKRTC Hubballi workshop premises, Gokul Road , Hubballi-580030 on or before 24-11-2023 up to 15.00 hrs.

Specimen Copy of format for submission of **quotation**:

Sl. No.	Description	Qty	Basic Rate		GST %	End Rate	
			Rs.	Ps.		Rs.	Ps.
1	Supply and installation of Video Conference Camera and Quadro MIC with Speaker which are required for video conference as per the enclosed specification with one year warrantee.	01 No					

TERMS AND CONDITIONS:-

1	Price	:	Prices are F.O.R. destination basis. The rate should include all Packing, Forwarding, Door delivery, installation and commissioning charges at Conference Hall NWKRTC Central Office.
2	Payment	:	The payment will be arranged within 30 days from the date of satisfactory commissioning of the system.
3	GST	:	Inclusive in End Rate. Percentage of GST with HSN Code should be separately mentioned in the given format.
4	Delivery Schedule	:	The Camera and Quadro MIC with Speaker is to be supply and commissioned within 10 days from the date of confirmed order.
5	Other Conditions	:	1) The quotations received after the closing date & time are subject to rejection. 2) If any queries may please contact to the Cell No.702209113/7760988557

Thanking you,

Yours faithfully,

sevalh
Controller of Stores & Purchases.

Encl : Specification details



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iCam WHD 1080 12X USB_EN

PeopleLink iCam WHD 1080 are cameras for board rooms offering easy connectivity with laptops/PC through USB ports. The Pan/tilt features present in the devices allow a wider angle coverage. HD video quality with real time, face-to-face experience through the powerful 12x optical zoom; some more unique offering of these cameras. They can also adjust the brightness automatically according to the lighting condition of the room ensuring clear video.



True HD 1080p @ 60 FPS: This camera offers recordings with very vivid clarity (True HD) at a resolution of 1080p @ 60 frames per second (FPS).



12x optical zoom: Optical zoom is a true zoom lens that produces much better-quality images than digital zoom which performs in-camera image processing.



FOV 72.5° degree: The camera has a wide field of view (FOV), the area covered by the camera, of 72.5° degrees.



Pan tilt zoom: Pan-tilt-zoom (PTZ) type of cameras enable the user to control the movement and position of the lens. Panning refers to the lens's horizontal movement while tilting describes its vertical movement.



IR remote controllable: Remotes with infrared light can be used to reliably control this camera.



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RS-232 / RS-485 / VISCA to control the PTZ functions of the camera remotely

Applications

- "Area of application: Board room
- Capacity: 30 to 60 seater
- Shape of the room: Rectangular
- Bright / Dark room: Auto brightness adjustment



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Specifications

iCam WHD 1080 12X USB_EN

GENERAL FEATURES


Sensor type	1/2.7" CMOS sensor
Iris	Auto/Manual
Lens	
Resolution	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25
Optical Zoom	12x
Digital Zoom	12x
Effective Pixels	2.07 Megapixel
Pan Angle	-170° to +170°
Tilt Angle	-30° to +90°
Field of View	71.5°
Auto Focus	Auto/Manual
Wide Angle	71.5° - 6.9°
(Horizontal view angle)	
Video Outputs	USB 3.0
Remote Control	Yes
White Balance	Auto/Manual
Exposure	Auto / Manual/SAE/AAE/Bright
Pan Speed	1.7° - 100°/s
Tilt Speed	1.7° - 69.9°/s
Operating Temperature	-10° C - +40° C

Storage Temperature	-40° C - +60° C
Frames per Second	60fps
Illumination	0.5 Lux @ (F1.8, AGC ON)
S/N Ratio	>= 55 dB
Dimensions	128.5 x 118 x 156.2 mm
Color	Gray,black
Mount	Wall mount/Ceiling mount
Cable	1.5mtr USB 3.0 cable, Visca to RS232 control cable
Presets	128 Nos
PTZ Control Protocol	Sony VISCA and PELCO P/D
Gain Control	Auto
Back-light Compensation	Auto/Manual
Weight	0.91 Kg
Power	DC 12V, 1A
Applications	boardrooms, center of learning, mission critical operation center, medical care units and court rooms
Operating System Requirements	Windows® 7, Windows 8.1 or 10 Mac® OS X 10.10 or higher
Compatibility	Universal USB compatibility

Applications

- Area of application: Board room or conference room
- Ideal Room size: 30ft by 20ft
- Capacity: 15 to 20 seater
- Shape of table: Recommended for oval shape table



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Specifications

QUADRO

I/O

Interface	: USB, Ext1, Ext 2, Power jack	Frequency Range	: 100 Hz to 16KHz
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USER INTERFACE

Screen Size	: 58x28mm, 4 Lines	Mute Indicators and Number Buttons	Mute Indicator and Numbers Lync Off hook Key, Lync Hang Up, Mute Mic, Mute Speaker, Vol Up/Down
USB Nos.	: 1 Nos		
USB type	: USB 2.0 B TypeB		

AUDIO TECHNOLOGY

DSP based Echo cancellation	: (Echo Tail) 500ms.0
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AUDIO FEATURES

Speaker Gain Control	: Max: 92dB	Frequency Range	: 100 Hz to 16Hz
Noise reduction	: 18dB	Built-in Microphones	: 4 Nos
Speaker output	: 92dBA	Microphone pickup range	: Upto 3 mtr, 5 mtr with Extension
Power Consumption	: <6W	Audio Input	: 1x USB 2.0 B Type

ENHANCED AUDIO FEATURES

Automatic Echo Cancellation	Yes	Non Linear Processing	Yes
Automatic Gain Control	Yes	Automatic Level Control	Yes
Noise Reduction	Yes		
Full Duplex	Yes		

ELECTRICAL

Power	100-240V ~50/60Hz 0.4A	Storage Temperature	0°C-50°C
Operating Temperature	0°C - 50°C	Environmental Humidity	0-85%

PHYSICAL CHARACTERISTICS

Dimensions	LxWxH:350x350x55mm	Gross Weight	2.10kg
Net Weight	1.25kg		

PACKING INFORMATION

Contents	User Manual , Power adaptor, 6.5 Meter Power Extension Cable	Optional Accessories	4P4C Cable x 3 Pcs, Extension Microphone (upto 2 Pcs),
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ORDERING INFORMATION

Product Code	PeopleLink Quadro : PPU-PVC-CP-Q0D
	PeopleLink Quadro Ext : PPU-PVC-CP-Q0D-E (with Extension Microphones)

GLOBAL HEADQUARTERS

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IMAGE SENSOR

Minimum Scene Illumination	0.5 Lux @ (F1.8, AGC ON)	Scanning Mode	Progressive
Effective Pixel	2.07 Megapixel	Audio on USB	Support
Video S/N Ratio	>= 55 dB	Exposure	Auto
Color Compression	YUV 4:2:2 / H.264 / MJPEG	Electronic Shutter	Auto / Manual

OTHER SPECIFICATIONS

Video Output Port	USB 3.0	OSD Menu	Access to OSD Menu and adjust camera module parameters
Video Format	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25	Image Auto Flip	Support Horizontal / Vertical image flip
Control port	RS232 / RS485	Auto Pan Scan	Yes
Communication		MTBF	>30000h
Control Protocol	VISCA/PELCO	Environmental	
Baud Rate	9600	Humidity	0-95% RH
Presets Function	128	Remote Control	IR Wireless Remote controller P/T/Z
Power	12W	Ports	1 x USB 3.0, 1 x DC Power, 1 x RS 232
Consumption		RS232/RS485	Yes

LENS

Presets	128
Vertical angle of view	44.8°
Zoom	
H. Distortion	Support
Image Focus	Support
Pre-set resolution	10, 17

PACKAGING INFORMATION

Contents	Camera, Power Adapter, IR remote, USB 3.0 Cable, User Manual and Serial to Visca cable.
Ordering Information	PeopleLink iCam WHD 1080 USB PPI-IPVC-PC3-108P-12X

APPLICATION

Room type	Board Room	Shape of the room	Rectangular
Capacity	30 to 60 seater	Bright/dark room	Auto Brightness adjustment

GLOBAL HEADQUARTERS

Q3-A3, 10th Floor, Cyber Towers, Hitech City, Madhapur, Hyderabad - 500 081 (India)
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QUADRO

PeopleLink Quadro is a Hybrid Conference phone. The 360 degree pan audio pickup feature allows to capture audio from every corner of the room. The device delivers 92db audio output which is completely free from any background noise interference or echoes.



USB Speakerphone :
An Ideal audio conferencing solution



Digital Conference Units :
Permits meetings to be managed with complete control and reliability.



4 bi-directional microphones (360 degrees):
These microphones can pick up sound equally from all directions.



92 dB Speaker Out:
Produces high fidelity audio quality



Built in AEC, AGC & ANS :
Acoustic Echo Cancellation, Automatic Gain Control, and Acoustic Noise Suppression.



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VIDEO CONFERENCE Camera

Sensor type	1/2.7 CMOS sensor
Iris	Auto/Manual
Resolution	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25
Optical Zoom	12x
Digital Zoom	12x
Effective Pixels	2.07 Megapixel
Pan Angle	170° to + 170°
Tilt Angle	-30° to + 90°
Field of View	72.5°
Auto Focus	Auto/Manual
Wide Angle	72.5° ~ 6.9°
Video Outputs	USB 3.0
Remote Control	Yes
White Balance	Auto/Manual
Exposure	Auto / Manual/SAE/AAE/Bright
Pan Speed	1.7° ~ 100°/s
Tilt Speed	1.7° ~ 69.9°/s
Operating Temperature	-10° C ~ + 40° C
Storage Temperature	40° C ~ + 60° C
Frames per Second	60fps
Illumination	0.5 Lux @ (F1.8, AGC ON)
S/N Ratio	>= 55 dB
Dimensions	128.5 x 118 x 156.2 mm
Color	Gray,black
Mount	Wall mount/Ceiling mount
Cable	1.5mtr USB 3.0 cable, Visca to RS232 control cable
Presets	128 Nos
PTZ Control Protocol	Sony VISCA and PELCO P/D
Gain Control	Auto
Back-light Compensation	Auto/Manual
Weight	0.91 Kg
Power	DC 12V, 1A
Applications	boardrooms, center of learning, mission critical operation center, medical care units and court rooms
Operating System Requirements	Windows® 7, Windows 8.1 or 10 Mac® OS X 10.10 or higher
Compatibility	Universal USB compatibility
Video Output Port	USB 3.0
Video Format	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25
Control port	RS232 / RS485
Communication Control Protocol	VISCA/PELCO
Baud Rate	9600

Preset Position	128
Power Consumption	12W
OSD Menu	Access to OSD Menu and adjust camera module parameters
Image Auto Flip	Support Horizontal / Vertical image flip
Auto Pan Scan	Yes
MTBF	>30000h
Environmental Humidity	0-95% RH
Remote Control	IR Wireless Remote controller P/T/Z
Ports	1 xUSB 3.0,1 x DC Power,1 x RS 232
RS232/RS485	Yes
Presets	128
Vertical Angle of View	44.8°
H & V Flip	Support
Image Freeze	Support
Preset Accuracy	0.1°
Contents	Camera, Power Adapter, IR remote, USB 3.0 Cable, User Manual and Serial to Visca cable.

QUADRO MIC WITH SPEAKER

Interface	USB, Ext1, Ext 2, Power jack2.
Frequency Range	100 Hz to 16KHz
Screen Size	58x28mm,4 Lines
USB Nos.	1 Nos
USB type	USB 2.0 B TypeB T
Mute Indicators and Number Buttons	Mute Indicator and Numbers Lync Off hook Key, Lync Hang Up, Mute Mic, Mute Speaker, Vol Up/Down

DSP based Echo cancellaion	(Echo Tail) 500ms.0
Speaker Gain Control	Max:92dB
Noise reduction	18dB
Speaker output	92dBA
Power Consumption	<6Wy
Frequency Range	100 Hz to 16Hz
Built-in Microphones	4 Nos
Microphone pickup range	Upto 3 mtr, 5 mtr with Extension
Audio Input	1x USB 2.0 B Type
Automatic Echo Cancellation	Yes
Automatic Gain Control	Yes
Noise Reduction	Yes
Full Duplex	Yes
Non Linear Processing	Yes
Automatic Level Control	Yes
Power	100-240V ~50/60Hz 0.4A
Operating Temperature	0°C - 50°C
Storage Temperature	0°C-50°C
Environmental Humidity	0-85%
Net Weight	1.25kg