

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.**  
**CIN No.U40109MH2005SGC153646**

From :

Name of Office : The Chief Engineer, EHV PC O&M Zone, Pune.

Office Address : Administrative Building, 3<sup>rd</sup> floor, Block No.401 & 402, Rasta Peth, Pune-411 011.

Contact No. : 020-26136106/26129913/26137132(P)

Email Id : cepune@mahatransco.in

Ref No.CE/EHV/ PC O&M/Zone/Pune/T/

W 9 4 0

Date: 14 JUN 2022

E-ENQUIRY (Through MSETCL web page)

**Sub: - Enquiry for 'Supply of "Group Video Conference System", plug and play extended USB HD 1080P Autofocus Camera with integrated speaker phone, extended Mic Pair, extended Speaker ,all in single unit(like hub) through applications like but not limited Microsoft Teams, Google Meet, Zoom etc. at EHV PC O&M Zone ,Administrative Building, MSETCL, Pune, Rasta Peth, Pune-411 011'.**

Dear Sir,

Sealed and Super scribed quotations are invited for the supply as mentioned in schedule 'A'  
You are requested to quote your lowest rate for above. The terms & conditions are as follows-

**TERMS & CONDITIONS:-**

- 1) The rate should be quoted on firm quotation basis.
- 2) The rate should be inclusive of all taxes and duties applicable.
- 3) The required system shall be as per the specifications mentioned in **Annexure -I & II**
- 4) 10 % Security Deposit will be required to be paid before affecting the supply.
- 5) Payment will be effected with in reasonable period.
- 6) The validity of your quotation should be minimum 03 months.
- 7) You should submit your offer against this e- enquiry in sealed quotation till Dtd.22.06.22(till 12:00 hrs).  
probable date of opening of quotation Dtd. 22.06.22till 15:00 hrs).
- 8) Following documents should be enclosed along with your offer:-**PAN No., GST Registration Certificate, Shop ACT License and work order copy for supply of VC device.**
- 9) The right to place an order or to cancel without assigning any reason is reserved with this office.

Thanking You.

Enclosed: Schedule "A" & Annexure I & II

Yours faithfully



(R.L. Gaikwad)

Chief Engineer

EHV PC O&M Zone Pune

Copy to:

1. The Executive Engineer (O), EHV PC O&M Zone, Pune
2. The AGM (F&A), EHV PC O&M Zone, Pune.

MF / Notice Board.

### SCHEDULE 'A'

**Subject:- Enquiry for 'Supply of "Group Video Conference System", plug and play extended USB HD 1080P Autofocus Camera with integrated speaker phone, extended Mic Pair, extended Speaker ,all in single unit(like hub) through applications like but not limited Microsoft Teams, Google Meet, Zoom etc. at EHV PC O&M Zone ,Administrative Building, MSETCL, Pune, Rasta Peth, Pune-411 011'**

Sr. No.	Particulars	Qty	Rate	Final Amount
1	Supply of 'Group Video Conferencing System' (VC Device) as per <b>Annexure-I &amp; II</b> at Administrative Building, EHV PC O&M Zone, MSETCL, Rasta Peth, Pune - 411 011	1		
	<b>TOTAL.</b>			

**NOTE:-**

- i) Rate should be inclusive of all taxes.

  
(R.L. Gaikwad)  
Chief Engineer  
EHV PC O&M Zone Pune



## Annexure-I

**Subject:- Enquiry for 'Supply of "Group Video Conference System", plug and play extended USB HD 1080P Autofocus Camera with integrated speaker phone, extended Mic Pair, extended Speaker ,all in single unit(like hub) through applications like but not limited Microsoft Teams, Google Meet, Zoom etc. at EHV PC O&M Zone ,Administrative Building, MSETCL, Pune, Rasta Peth, Pune-411 011'**

### Scope of the Work:

- 1) Providing, Fixing, installation, commissioning of brand New Video Conferencing system as per, All features, functionalities, devices, all cable type & capacity & length, Camera type & capacity, Speaker type & capacity, Microphone type & capacity & with expansion mics pair that have mentioned in **Annexure-II**
- 2) Providing, Fixing, installation, commissioning of Extra 10 meters of Cable between Camera & Speakerphone & LCD Caller ID.
- 3) MSETCL Laptop or Computer will only connected to Central Unit like Central Hub of the system directly through USB Cable and No other devices like camera or speaker will connected to MSETCL Laptop or Computer. All other peripherals will connect to Central Unit like Central Hub of the system.
- 4) System should support Microsoft Windows OS.
- 5) System & all peripherals should be of Same Company (OEM).
- 6) Central Hub should have all controlling facilities of all peripherals & System should have remote control with all controlling facilities.
- 7) Onsite warranty minimum for One (1) Year Or as actual if greater than One(1) Year, including faulty device replacement with new same device.
- 8) Bidder will give operational Training to the IT Section, EHV PC O&M Zone, MSETCL, Pune.

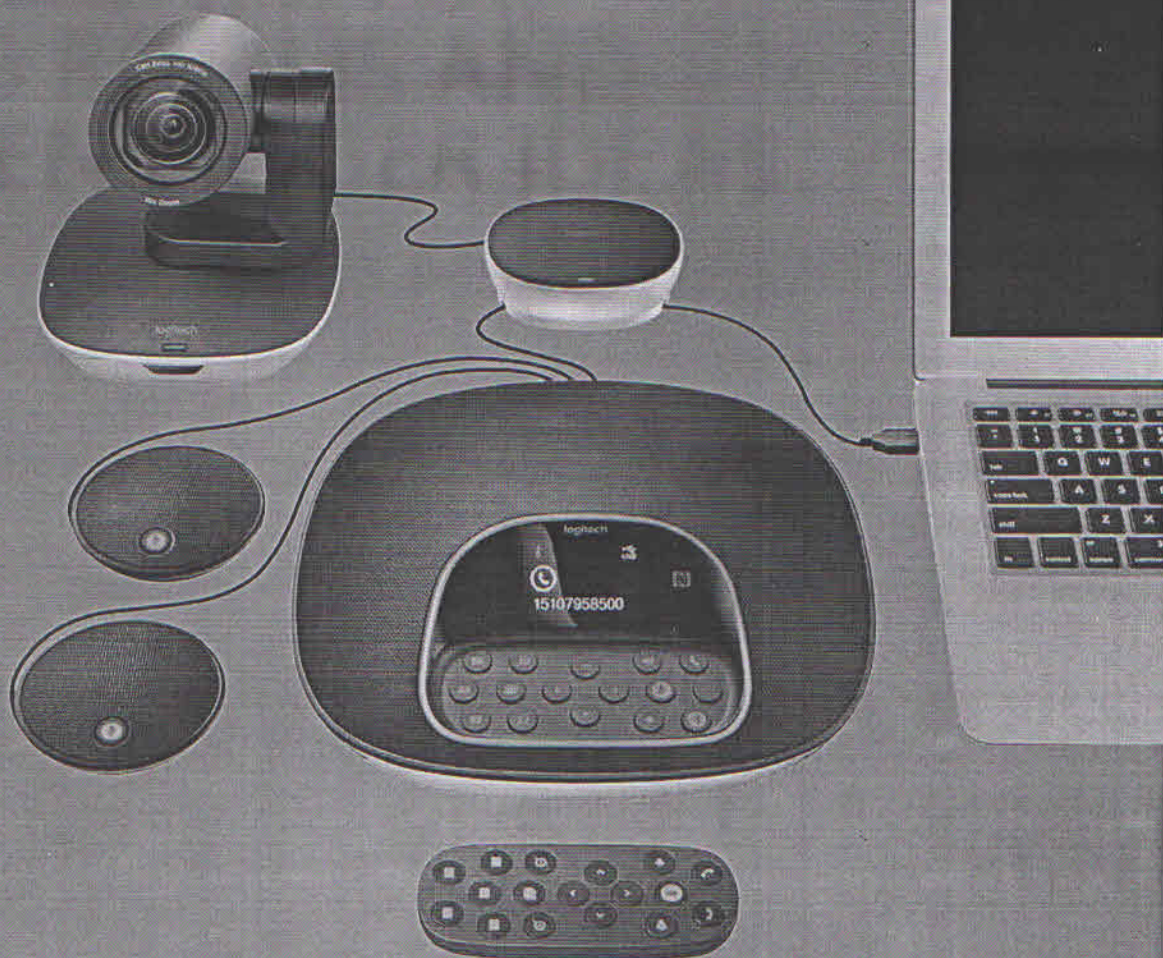


**(R.L.Gaikwad)**  
**Chief Engineer**  
**EHV PC O&M Zone Pune**



logitech®

# DESIGNED FOR BIG ROOMS AND EVEN BIGGER IDEAS.



## Logitech GROUP

GROUP, the amazingly affordable video conferencing system for mid to large-size conference rooms, allows any meeting place to be a video collaboration space. It's as simple to use as a mobile phone and as affordable as an office chair, now it's easier than ever to include anyone in the conversation.

USB plug-and-play connectivity makes GROUP a breeze to deploy and use. It even works within your own familiar computing environment with any video conferencing software application — including the ones you already use.

Razor sharp video and a beautifully designed full-duplex speakerphone deliver an outstanding collaboration experience that's so awesome everyone can be seen and heard. Simply connect a laptop and start a meeting, or use the state-of-the-art speakerphone with a Bluetooth® wireless technology enabled mobile device for great-sounding audio calls.



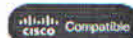
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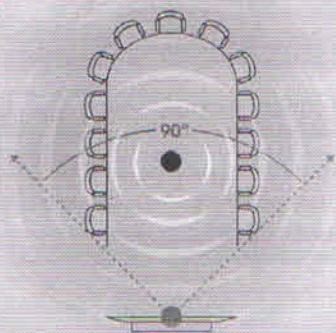
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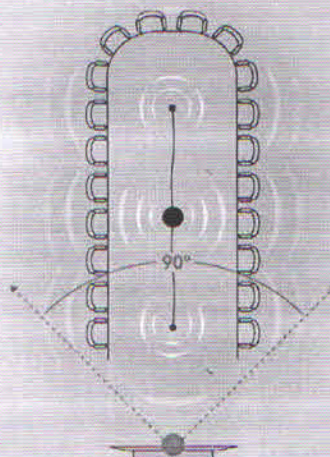


## Logitech GROUP

### GROUP Room Set-up



### GROUP + Expansion Mics Room Set-up



#### Video Conferencing Elevated.

GROUP, our video conferencing solution for groups of 14-20 people, delivers high quality HD video and crystal clear audio, allowing any meeting place to be a video collaboration space. With advanced features like acoustic echo cancellation, noise reduction technology, and intuitive controls now it's easier than ever to include anyone in the conversation.

#### Video Collaboration Made Simple.

USB plug-and-play connectivity makes GROUP easy to use. Simply connect a laptop to conduct life-like meetings within your own familiar computing environment for use with any video conferencing software application — including the ones you already use. Plus, you can use the state-of-the-art speakerphone with a Bluetooth wireless technology enabled mobile device for great-sounding audio calls.

#### Your Meeting Space. Your Way.

GROUP offers the flexibility to customize conference room set-up with multiple camera mounting options. Use the camera on the table or mount it on the wall with included hardware. The bottom of the camera is designed with a standard tripod thread for added versatility. Conference participants can also clearly converse within a 6m/20' diameter around the base, or extend the range to 8.5m/28' with optional expansion mics.



For razor sharp close-ups of objects and whiteboard content, the GROUP camera offers 10x lossless zoom enabling your team to see every detail with outstanding resolution and clarity.





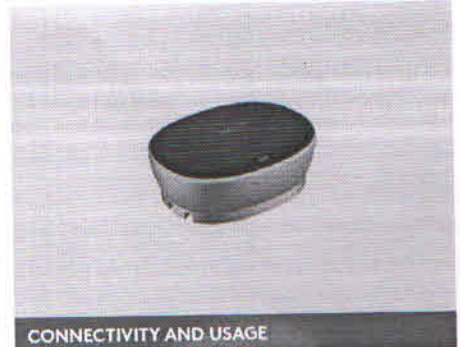
# Logitech GROUP



VIDEO



AUDIO



CONNECTIVITY AND USAGE

**HD 1080p video quality at 30 frames-per-second**  
Brings life-like full HD video to conference calls, enabling expressions, non-verbal cues and movements to be seen clearly.

#### **H.264 with Scalable Video Coding (SVC) and UVC 1.5**

Preserves PC processing and battery power by putting video processing within the camera adjusting dynamically to the available bitstream. The result is a smoother video stream in applications like Microsoft® Lync® 2013, Skype for Business and in Windows® 8 and Windows® 10.

#### **90° field of view with mechanical 260° pan and 130° tilt**

The generously wide field of view and silky smooth pan and tilt controls enhance collaboration by making it easy to see everyone in the room.

#### **10x lossless HD zoom**

Zero in on close-ups of objects and whiteboard content with outstanding detail and clarity.

#### **Autofocus**

High-precision lens automatically focuses on people and objects to deliver razor-sharp resolution wherever the lens is pointed.

#### **ZEISS® lens certification**

Logitech designs and manufactures all ConferenceCam lenses to the highest technical standards to produce optical components of outstanding quality as certified by ZEISS.

#### **Far-end camera control**

Operate camera pan, tilt and zoom functions<sup>1</sup> of another Logitech ConferenceCam or Webcam C930e in the other location.

#### **5 camera presets**

Multiple camera presets make it easy to frame and focus the lens on frequently used views — such as the conference table, whiteboard, and close-ups — and quickly return to each view at the touch of a button.

#### **Plug-and-play camera setup**

Simply connect camera to powered hub with 4.9m/16' cable provided to get up and running in a snap.

#### **Full-duplex speakerphone**

Hear and be heard with life-like sound that's crisp, clear, and highly intelligible. Plus the cast metal base console is loaded with advanced audio features and intuitive controls.

#### **Spacious audio**

Conference participants can converse within a 6m/20' diameter around the speakerphone and be heard so clearly by remote participants that it seems like conversations are happening in the same room.

#### **Optional expansion mics**

Expand the conversation area from 6m/20' to 8.5m/28' so that even those away from the speakerphone can be clearly heard. Microphones, sold in pairs, are automatically recognized and configured by simply plugging them into the GROUP speakerphone.

#### **Beamforming technology with four omni-directional mics**

Conversations sound realistic and natural by minimizing sound reflections (reverb) and distracting audio artifacts.

#### **Acoustic echo cancellation**

Advanced acoustic engineering reduces echo, making calls sound more natural.

#### **Noise reduction technology**

Ambient noises and other distracting tones are suppressed to support comfortable, natural-sounding conversation on both ends of the call.

#### **HD audio**

High bandwidth audio reproduces vocal tones with exceptional quality, enabling people on both sides of the call to enjoy a life-like communication experience.

#### **Visual call status indicator**

Onboard LEDs flash to provide visual alerts when on a call, when there's an incoming call and when an incoming call is muted.

#### **LCD displays Caller ID and other info**

View call-related info<sup>2</sup> (Caller ID, call duration, etc.) and speakerphone/camera function indicators (volume control, etc.) on LCD display screen.

#### **Plug-and-play speakerphone setup**

Simply plug the speakerphone into the powered hub with the supplied 4.9m/16' cable to get up and running in no time.

#### **Tight integration with top cloud communication apps**

Logitech partners with the top communication developers to ensure the most integrated and seamless experience when using GROUP.

#### **Compatible with Mac® and PC**

Simply connect a PC or Mac® to conduct meetings within the user's own familiar computing environment.

#### **Works with most UC and video conferencing applications**

Users are free to use the desktop video conferencing application of their choice.

#### **Bluetooth wireless technology and Near Field Communication (NFC) technology<sup>3</sup>**

Connect the speakerphone to a Bluetooth wireless technology enabled device for great-sounding audio calls, or pair NFC-enabled mobile devices by simply bringing them close together.

#### **Professional-grade certifications**

Leading business certifications (Optimized for Microsoft® Lync® 2013, Certified for Skype for Business, Cisco Jabber® and WebEx® compatible<sup>4</sup>) and enhanced integration with Logitech Collaboration Program (LCP) members<sup>5</sup> ensure an integrated experience with most business-grade video conferencing platforms.

#### **Multiple camera mounting options and device setup configurations**

Set up the conference room the way you want with up to a 9.8m/32' range between camera and speaker. Use the camera on the table or mount it on the wall with included hardware. The bottom of the camera is designed with a standard tripod thread for added versatility.

#### **Dockable remote control**

Operate camera pan, tilt and zoom, volume up/down and answer/hang-up<sup>6</sup> functions on the base speakerphone console or with remote control that docks in console when not in use.

#### **PTZ app**

Control local camera pan, tilt and zoom functions from PC or Mac with simple-to-use software app.



# Logitech GROUP

## TECH SPECS

### CAMERA

Smooth motorized pan, tilt and zoom, controlled from remote or console

260° pan, 130° tilt

10x lossless HD zoom

90° Field of View

Full HD 1080p 30fps

H.264 UVC 1.5 with Scalable Video Coding (SVC)

Autofocus

5 camera presets

Far-end control (PTZ) of ConferenceCam products

ZEISS lens certification

Kensington security slot

LED to confirm video streaming

Standard tripod thread

### REMOTE CONTROL

Dockable

8.5m/28-foot range

### SPEAKERPHONE

Full-duplex performance

Acoustic echo cancellation

Noise reduction technology

Ultra-wideband audio

Bluetooth and NFC wireless technology

LCD for caller ID, call duration and other functional response

LEDs for speakerphone streaming, mute, hold, and Bluetooth wireless pairing

Touch controls for call answer/end, volume and mute, Bluetooth – plus camera PTZ, “home” preset and far-end control

Microphones (Tx)

Four omni-directional microphones supporting 20-foot diameter range

Frequency response: 100Hz–11KHz

Sensitivity: -28dB +/-3dB

Distortion: <1% @ 1KHz at 106dB

Speakers (Rx)

Frequency response: 120Hz–14KHz

Sensitivity: 83dB SPL +/-3dB at 1W/1M

Max output: 91dB SPL

Distortion: <5% from 200Hz

Kensington security slot

### HUB/CABLE

Central mountable hub for connection of all components

Included adhesive solution for under-table mounting

Two cables for connection between hub and camera/speakerphone (Length: 5m/16')

One USB cable for connection to PC/Mac (Length: 3m/9.8')

AC Power adapter (Length: 3m/9.8')

### MOUNT

Dual purpose mount for wall placement or for elevating the camera on a table

### COMPLIANCE AND TOOLS

USB 2.0 compliant

UVC-compliant video and audio for broad application compatibility

Optimized for Microsoft® Lync®, Certified for Skype for Business, Cisco Jabber® and WebEx® compatible. Enhanced integration with Logitech Collaboration Program (LCP) members.

Downloadable diagnostic tool

Field upgradeable firmware tool

Downloadable app plug-ins for advanced feature support

## PRODUCT SPECIFICATIONS

### Logitech GROUP

Price: \$1399.99

Part #: 960-001054

UPC: 097855118462

### Expansion Mics

Price: \$399.99

Part #: 989-000171

UPC: 097855119551

### Logitech GROUP + Expansion Mics

Price: \$1749.99

Part #: 960-001060

UPC: 097855119551

## SYSTEM REQUIREMENTS

Windows® 7, Windows® 8 or Windows® 10

Mac® OS X 10.7 or higher

Google Chromebook Version 29 or higher

Note: For full HD support, please check with your software application provider for system requirements

## PRODUCT DIMENSIONS + WEIGHT

### Camera

130 x 170 x 138 mm

5.1 x 7 x 5.4"

585g/21oz

### Speakerphone

240 x 65 x 240 mm

9.5 x 2.5 x 9.5"

1223g/43oz

### Hub

94 x 34 x 74 mm

3.75 x 1.3 x 2.9"

83g/3oz

### Remote

50 x 120 x 12 mm

2 x 5 x 0.5"

51g/2oz

### Package

500 x 152 x 310 mm

19.75 x 6 x 12.25"

4.1kgs/9lbs

### Wall/ Table Mount

210 x 120 x 99 mm

8.27 x 4.72 x 3.90"

255g/8.99 oz

### Expansion Mics

83 x 83 x 21 mm

3.3 x 3.3 x 0.83"

230g/8oz

## INSIDE THE BOX

Camera, speakerphone, remote control, two 5m/16.4' cables for connection between speakerphone and hub and camera and hub, one 3m/9.8' meter cable between hub and PC, Velcro for cable management, Velcro for hub to table securing, powered hub, power adapter with regional plugs, mount, quick start guide, warranty card.

## WARRANTY

2-year limited hardware

[www.logitech.com/GROUP](http://www.logitech.com/GROUP)

To order, contact your reseller or call us at 800-308-8666

Logitech Inc. 7700 Gateway Blvd., Newark, CA 94560

<sup>1</sup> With Microsoft® Lync® 2010 and 2013, Skype for Business, and Logitech Collaboration Program (LCP) members, including Vidyo, Zoom and Lifesize Cloud (refer to [www.logitech.com/lcp](http://www.logitech.com/lcp) for the latest information)

<sup>2</sup> With Microsoft® Lync® 2013, Skype™ and Cisco Jabber®

<sup>3</sup> With NFC-enabled mobile devices

<sup>4</sup> See [www.logitech.com/ciscocompatibility](http://www.logitech.com/ciscocompatibility) for the latest version

<sup>5</sup> Includes Blue Jeans, BroadSoft, Lifesize, Vidyo, and Zoom. See [www.logitech.com/lcp](http://www.logitech.com/lcp) for full list and the latest information

<sup>6</sup> With Microsoft® Lync® 2013, Skype for Business, Skype™, Cisco Jabber® and LCP participants with completed integrations

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