# High-End Smart Video Phone

GXV3350

GRANDSTREAM
CONNECTING THE WORLD

# Product Overview

The GXV3350 IP Video Phone for Android combines a 16-line IP video phone with a multi-platform video collaboration solution and the functionality of an Android tablet to offer an all-in-one communications solution.

# Feature Overview

- 16 lines with up to 16 SIP accounts
- Built-in mega-pixel, tiltable camera for video calling with privacy wheel
- Runs on the Android 7.0 operating system
- Built-in Bluetooth for syncing with mobile devices and connecting Bluetooth headsets
- Dual-switched auto-sensing 10/100/1000Mbps network ports
- Integrated dual-band Wi-Fi (2.4GHz & 5GHz)
- Built-in PoE/PoE+ for power and network connections
- Dual-mic HD speakerphone with noise reduction, advanced echo cancellation & excellent double-talk performance
- 4-core 1.3GHz ARM Cortex A53 processor with 2GB RAM and 8GB eMMC Flash
- 5.0” (1280×720)
- capacitive 5-point touch screen HD TFT LCD
- Peripherals include HDMI-out, USB, headset jack, EHS
- 6-way audio conferencing & 3-way 720p 30fps HD video conferencing capability

# Technical Specifications

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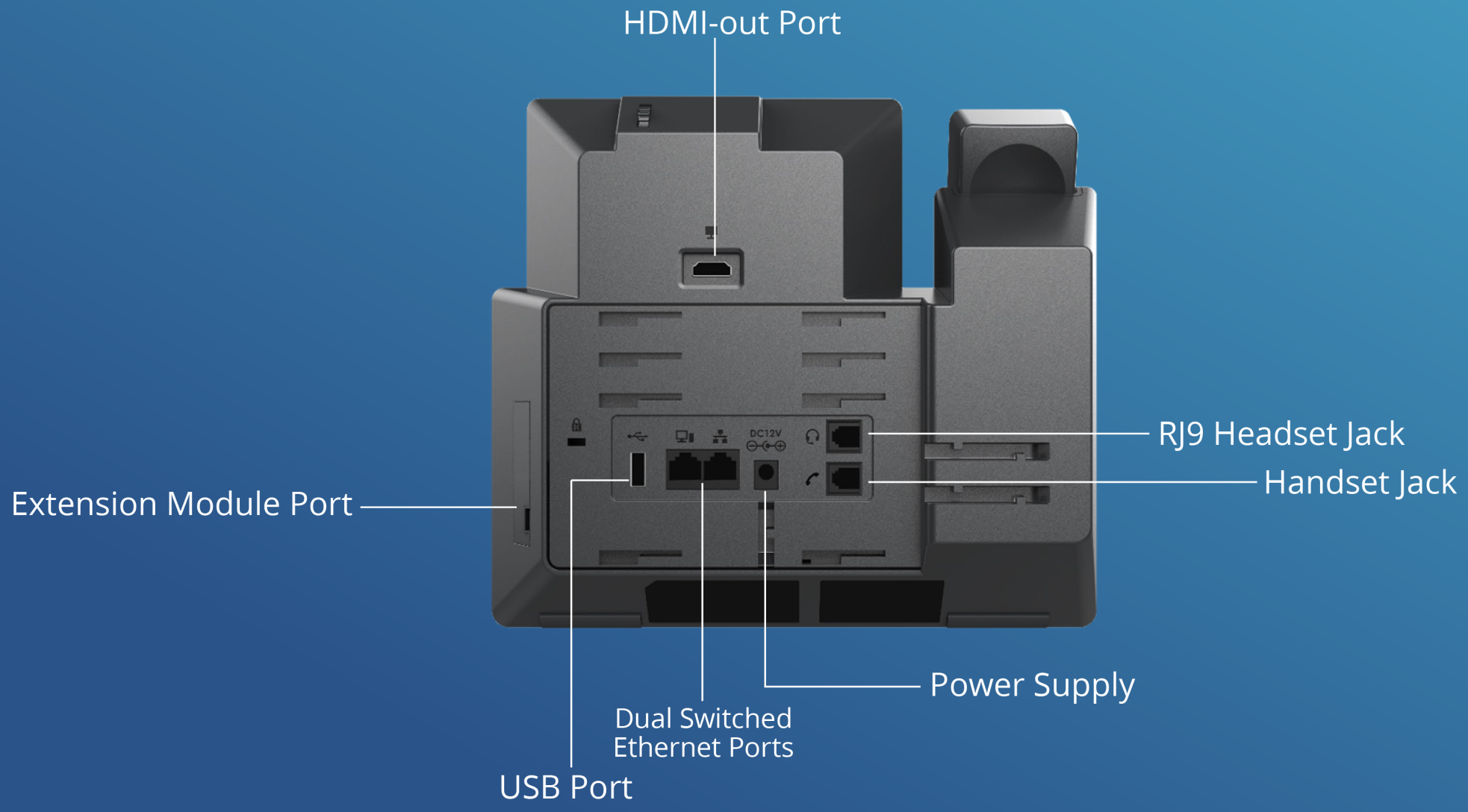
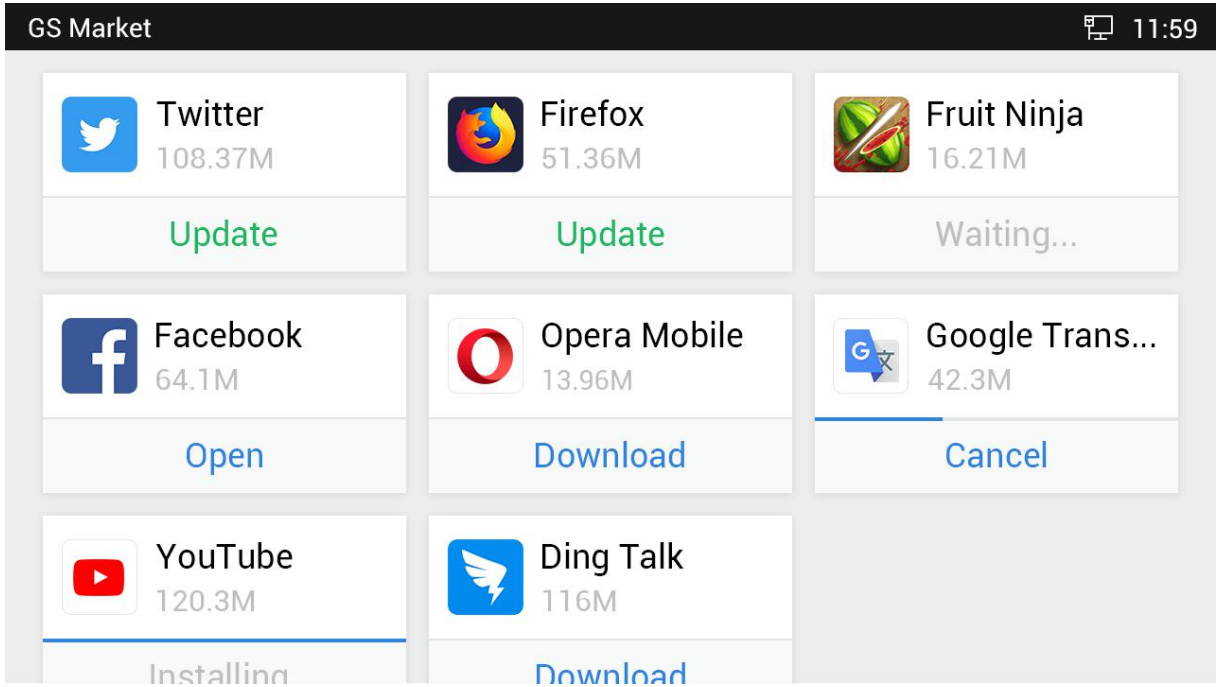


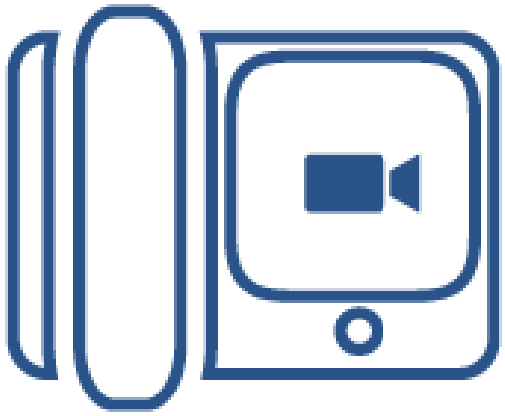
# Android

- Runs on Android 7.x operating system
- Offers instant access to hundreds of thousands of Android Apps including Skype and Google Hangouts
- Supports Android 7.x compliant applications to be developed, downloaded and embedded on the device with provisioning control

# Android cont.

Built in GS Market offers Android supported apps



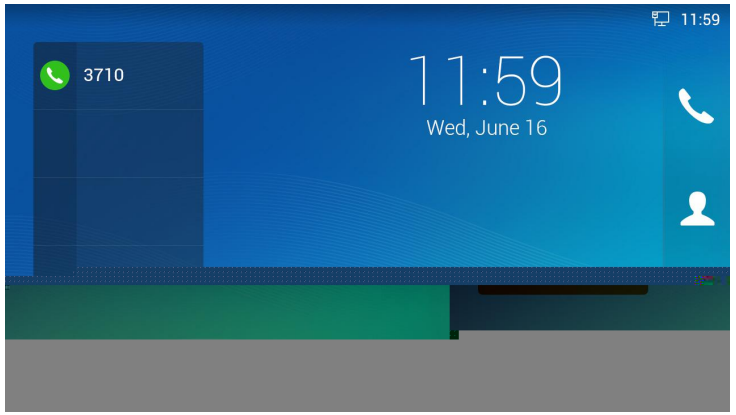


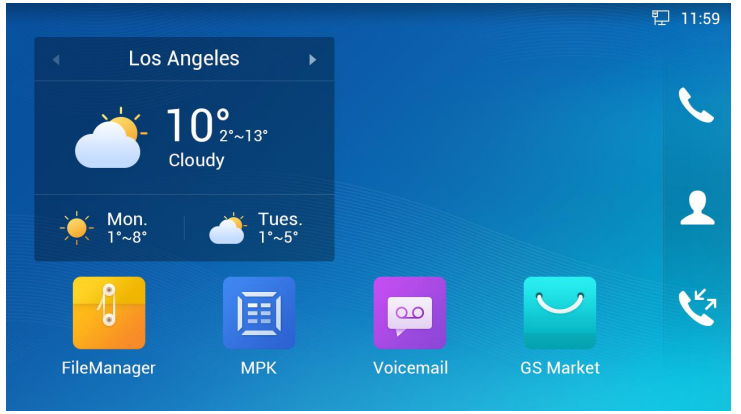
# Video Conferencing & Display

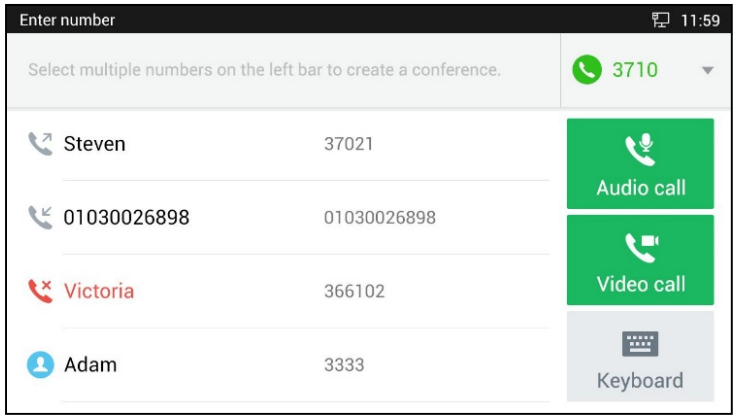
- 6-way audio conferencing & 3-way 720p 30fps HD video conferencing capability
- Anti-flickering, auto focus and auto exposure
- Built-in megapixel camera for video calling
- 5 inch 1280×720 capacitive touch screen (5 points) HD TFT LCD
- Dual stream during video call and presentation, toggle between presentation stream and video stream
- Extend display to external device via HDMI

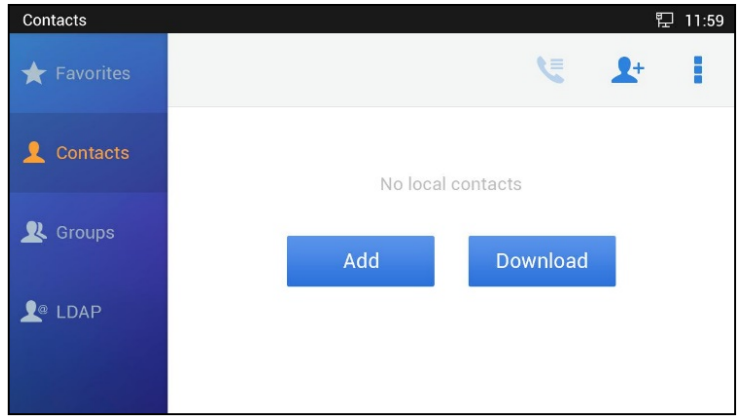
# Video Conferencing & Display cont.

## New UI design for a sleek and modern look



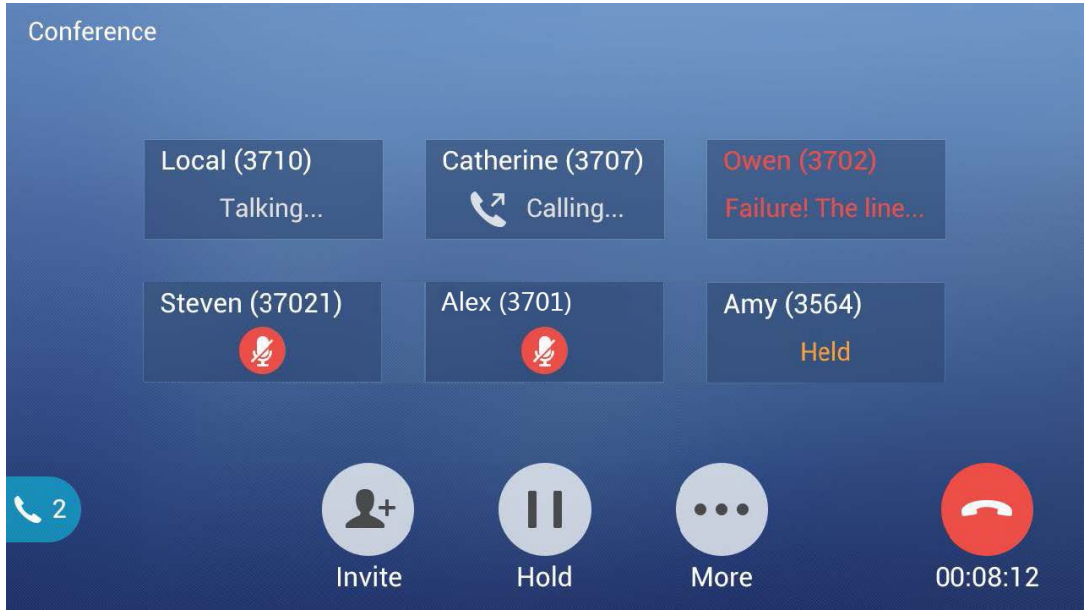



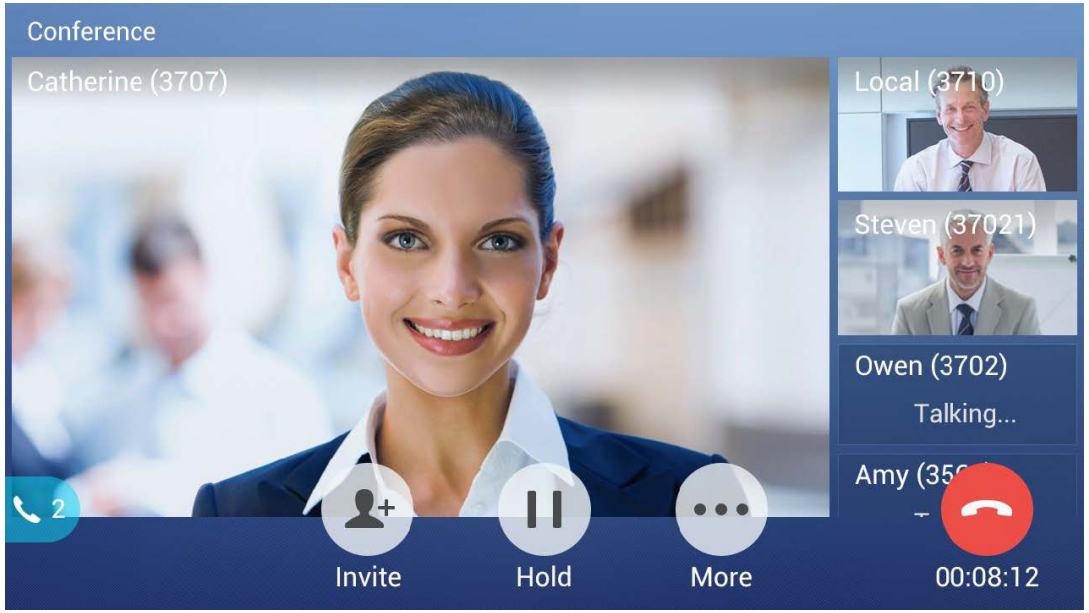



# Video Conferencing & Display cont.

## Conference User Interface



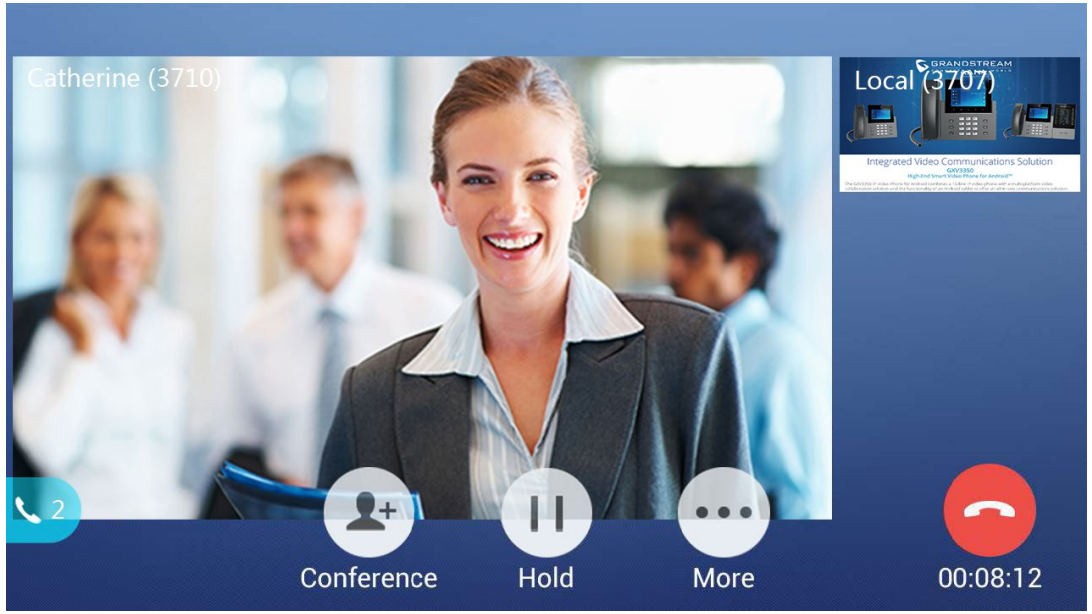

6-Way Audio Conferencing




3-Way Video Conferencing

# Video Conferencing & Display cont.

## Dual-Stream User Interface




Local GXV3350

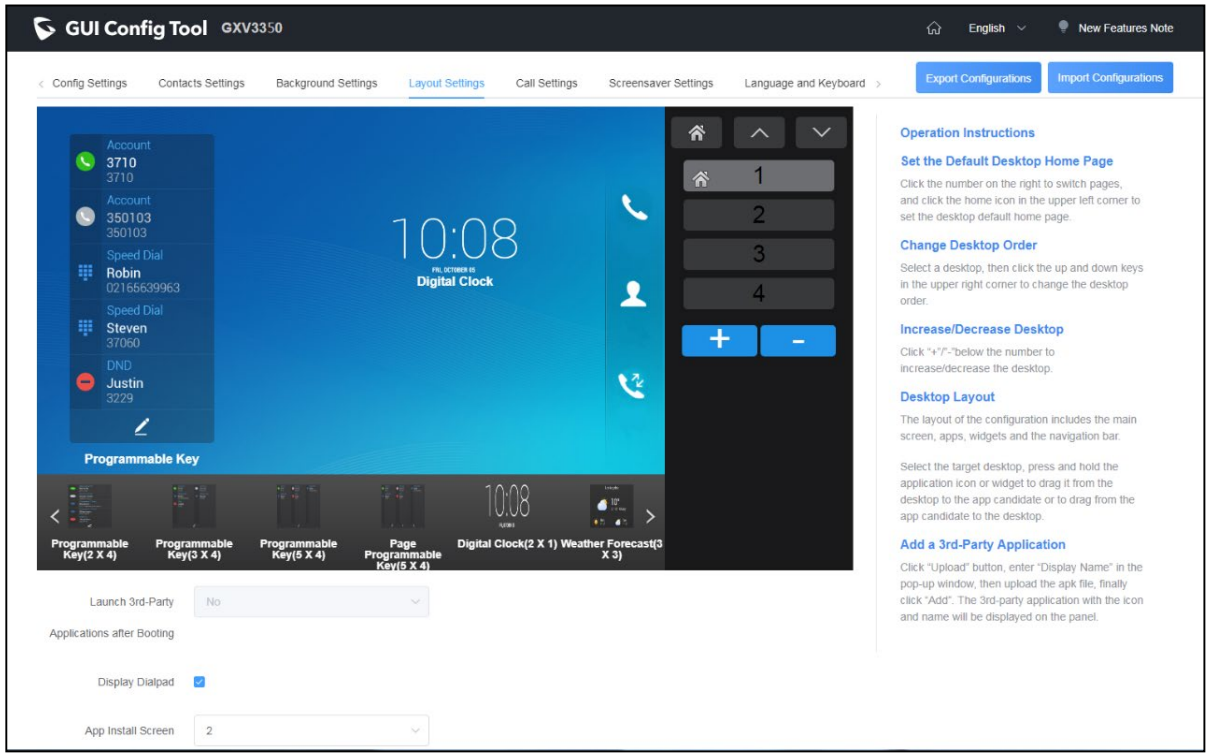
Remote GXV3350 toggle between presentation and the video stream

# Video Conferencing & Display cont.

## Presentation: Extend display on external device via HDMI

# Video Conferencing & Display cont.

## GUI Configuration Tool for Desktop Customization

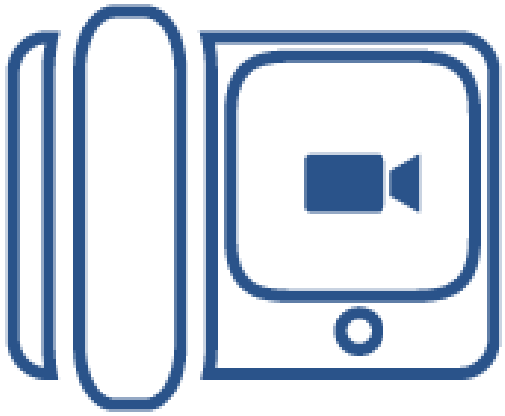



### Customization

- Configure device based on user preferences and requirements
- Customize desktop display
- Install 3rd party applications to the device

### Ease of Use

- GUI Config Tool provides a virtual display to allow users to easily preview changes
- Customization settings are stored in a custom file which can be loaded to a device and takes effect after rebooting



# Audio Codecs & Capabilities

- Dual-Mic HD speakerphone with noise reduction, advanced echo cancellation & excellent double-talk performance

- Wide-band Opus, wide-band G.722, G.711μ/a, G. 729A/B, G.726-32, iLBC, in-band and out-of-band DTMF (In audio, RFC2833, SIP INFO), VAD, CNG, AEC, PLC, AJB, AGC, ANS

# Audio Codecs & Capabilities cont.

## Voice Activity Detection (VAD)

- Detect presence or absence of voice to process audio accurately
- Avoid unnecessary processing of silence packets when mute
- Avoid interruption from noise

## Comfort Noise Generator (CNG)

- Generate comfort noise to reassure the users that the call is still active while no talking activity

## Automatic Gain Control (AGC)

- Adjust microphone receiving gain automatically for consistent audio volume

## Automatic Noise Suppression (ANS)

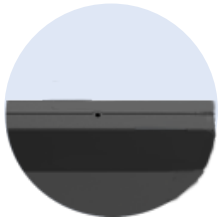
- Detect and suppress background noise

## Acoustic Echo Cancellation (AEC)

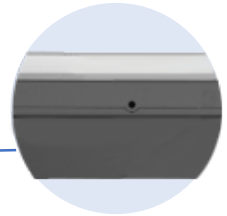
- Remove acoustic echo to ensure audio clarity

# Audio Codecs & Capabilities cont.

## Dual-Mic System for improved audio pickup and background noise suppression



Background Noise Suppression



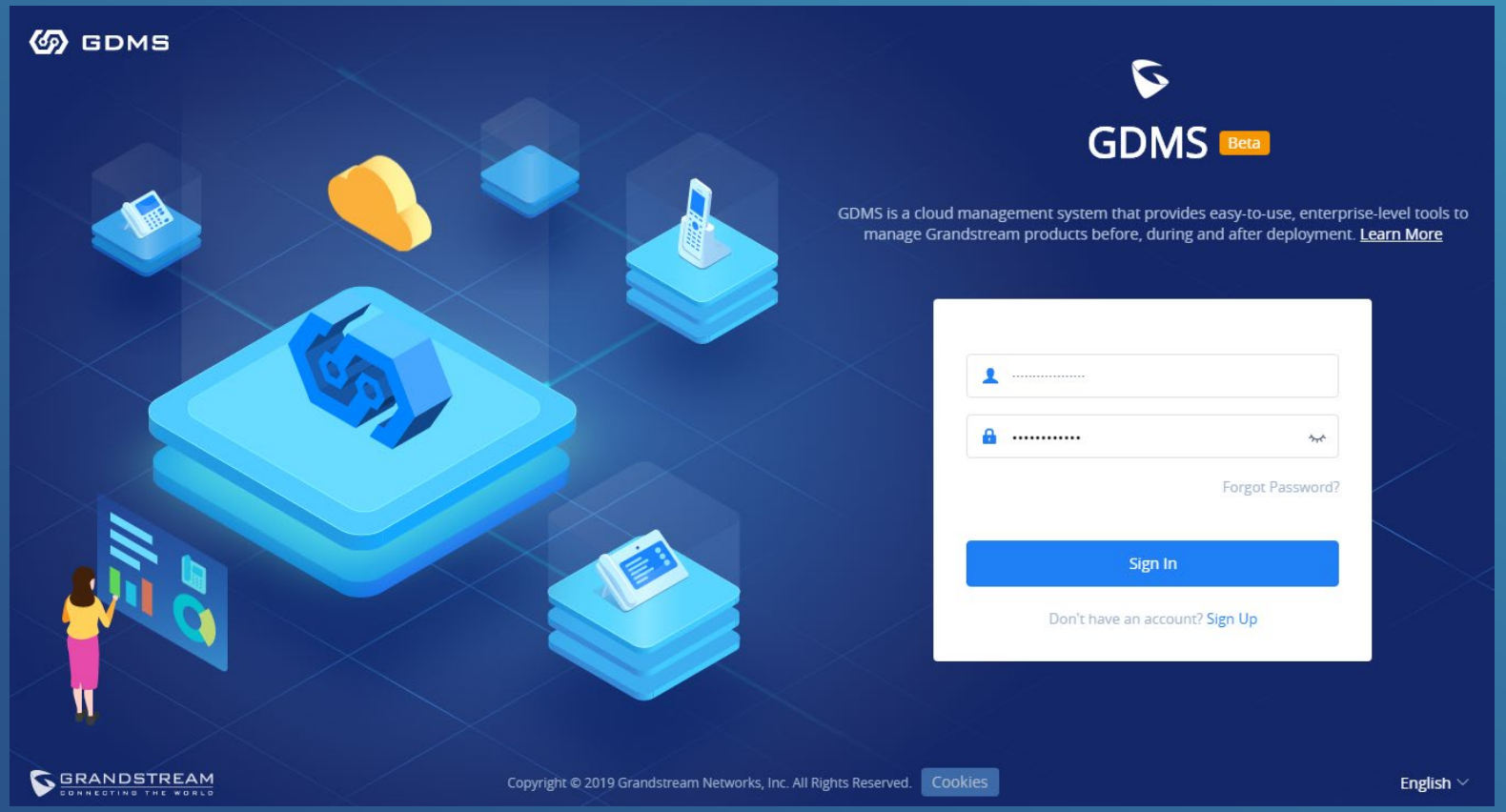
Audio Pickup

# GBX20 Extension Module

# GBX20 Feature Overview

- Compatible with Grandstream IP Phones: GXV3350 & GRP2615
- 20 per page (each module contains 2 pages, for up to 40 lines per module, up to 160 with 4 daisy-chained modules
- 4.3 inch (480x272) TFT color LCD
- Local GUI with animation driven from the host GRP2615 or GXV3350 phone; Multiple line/call appearances
- GBX20 firmware is upgraded by direct network download through host phone (GRP2615 or GXV3350)’s network connection and firmware upgrade setup (GDMS)

# Grandstream Device Management System (GDMS)



# GDMS cont.

**Upgrade via Network**

- Configure the upgrade path for the device to download firmware file and upgrade

**Upgrade via Manual Uploading**

- Upload the firmware file directly from your computer to device web UI

**Upgrade via Manual Uploading**

- Detect firmware file on connected USB storage and upgrade

# Grandstream Integration

Paid the GXV3350 high-end video phone with the GDS series of facility access points for increased security.

# Grandstream Integration cont.

Connect up to 4 LCD GBX20 expansion boards for a total of 160 programmable keys

# Deployment Scenarios

Small and Midsize Businesses

Security

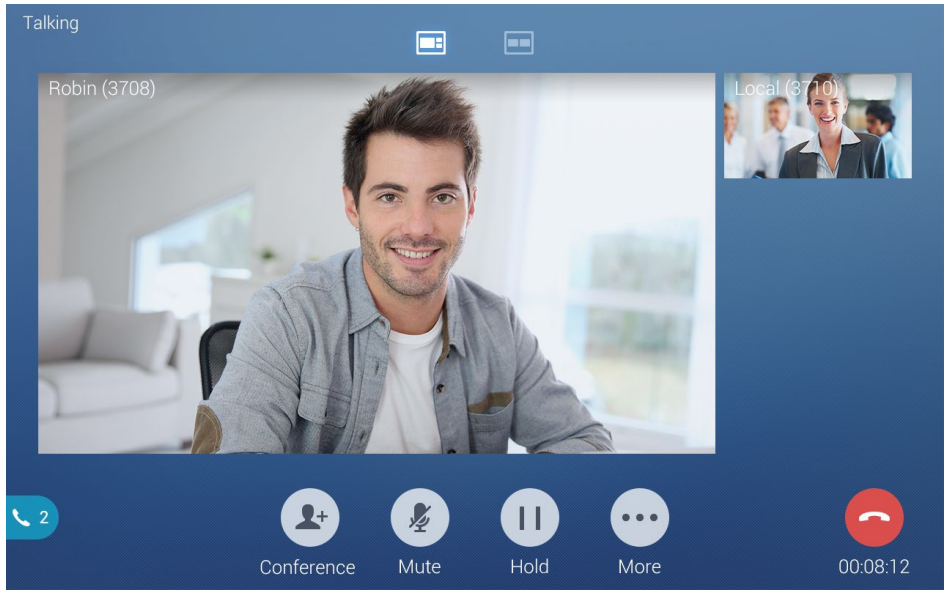
Conference Rooms

Enterprises

Apartment Buildings

Remote Worker

# Conferencing




This IP video phone delivers a powerful video experience through its' 5-inch 1280x720 capacitive touch screen, perfect for HD video conferencing scenarios such as:

- Video Conferencing
- Sales Calls
- Remote Worker
- Multiple Office Communication
- Doctor and Medical Consultations
- Parent/Teacher Meetings

# Security Teams

The GXV3350 video phone can integrate with Grandstream security cameras and facility access systems allowing security staff to monitor the space. Scenarios include:

- Apartment Buildings
- Hotel Security
- Office Spaces
- Retail Spaces (malls and department stores)

# Thank You