



UCM6100 series Video Features



Agenda



- 1. UCM6100 series Overview and Video Overview**
- 2. Video Calling with the UCM6100 series**
- 3. Integrating Video Surveillance**
- 4. Integrating Video Conferencing Solutions**
- 5. Integrating IP Door Cameras**

Delivering Voice, Video, Data & Mobility to SMBs



UCM6100 series IP PBX Appliance



UCM6102
UCM6104



UCM6108
UCM6116

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*Delivering high quality, secure and reliable voice, video, data & mobility for **SMBs***



- ◆ Enterprise-grade features in an affordable, compact & easy-to-manage PBX designed specifically for the SMB market
- ◆ No licensing fees
- ◆ Fast and easy setup & management
- ◆ ALL hardware/software included as well as lifetime firmware updates

Voice
Secure, clear, and reliable
Conferencing
Comprehensive Codec Support
Endless Customizable Voice features

Data
Phonebook files
CDR
Codec Transcoding
System Backup
Call Recording
Voicemail/fax to email



Mobility
Softphone apps
Monitor your business
Connect Multiple Offices

Video
Face to face video calls
Video Surveillance Integration
SIP Video
Video Codec Support

UCM6100 series - General Specifications

- ◆ Up to 500 extensions
- ◆ # of FXO ports & concurrent calls:
 - 2 - 30 (UCM6102)
 - 4 - 45 (UCM6104)
 - 8 - 60 (UCM6108)
 - 16 - 60 (UCM6116)
- ◆ Gigabit ports with PoE Plus
- ◆ Each bridge supports up to 25 (UCM6102 & UCM6104) or 32 (UCM6108 & UCM6116) conference attendees
- ◆ Zero-configuration provisioning
- ◆ Simple setup/management with Web UI

A screenshot of the Grandstream Web UI. The interface is dark-themed with a blue header. The main content area is divided into several sections: "Trunks" with a table of trunk details, "Extensions" with a table of extension details, "Conference Rooms" showing a room status, "Interfaces Status" showing USB, LAN, FXS, and FXO ports, and "Parking Lot" showing a table of parked calls. The Grandstream logo is in the top left, and navigation tabs for Status, PBX, Settings, and Maintenance are in the top right. A copyright notice is visible at the bottom of the interface.

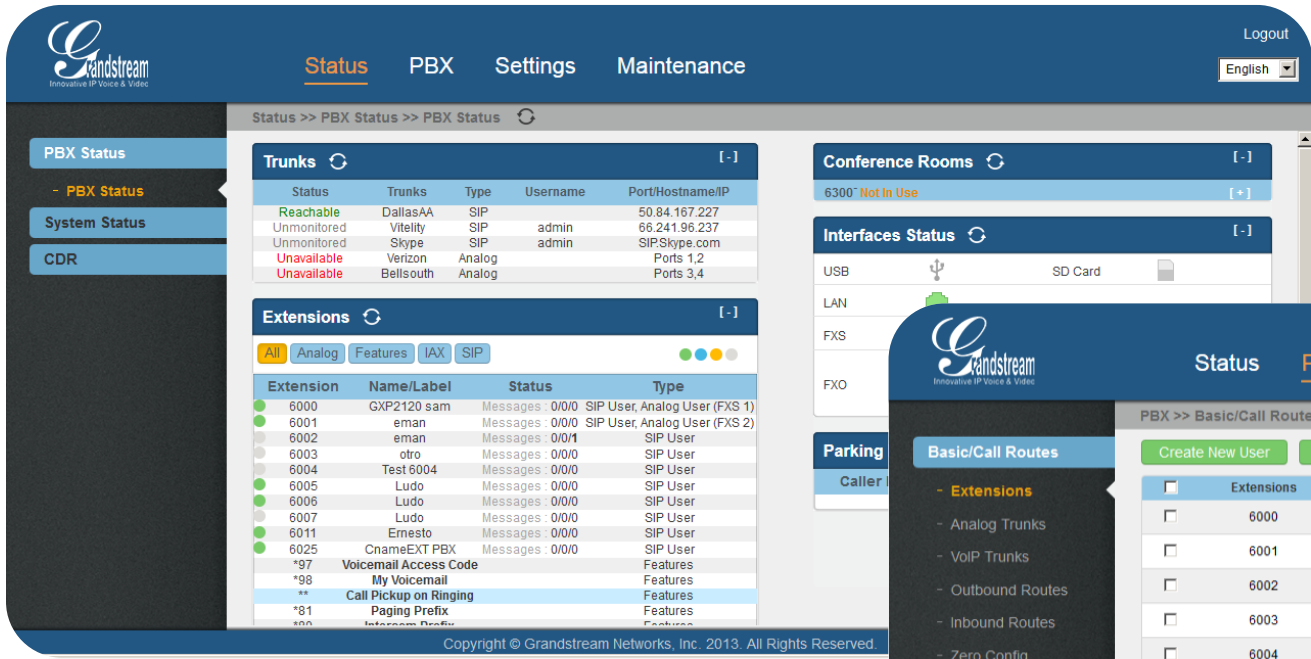
Status	Trunks	Type	Username	Port/Hostname/IP
Reachable	DallasAA	SIP		50.84.167.227
Unmonitored	Vitelity	SIP	admin	66.241.96.237
Unmonitored	Skype	SIP	admin	SIP:Skype.com
Unavailable	Verizon	Analog		Ports 1,2
Unavailable	Bellsouth	Analog		Ports 3,4

Extension	Name/Label	Status	Type
6000	GXP2120 sam	Messages: 0/0/0	SIP User, Analog User (FXS 1)
6001	eman	Messages: 0/0/0	SIP User, Analog User (FXS 2)
6002	eman	Messages: 0/0/1	SIP User
6003	otro	Messages: 0/0/0	SIP User
6004	Test 6004	Messages: 0/0/0	SIP User
6005	Ludo	Messages: 0/0/0	SIP User
6006	Ludo	Messages: 0/0/0	SIP User
6007	Ludo	Messages: 0/0/0	SIP User
6011	Ernesto	Messages: 0/0/0	SIP User
6025	CnameEXT PBX	Messages: 0/0/0	SIP User
*97	Voicemail Access Code		Features
*98	My Voicemail		Features
**	Call Pickup on Ringing		Features
*81	Paging Prefix		Features

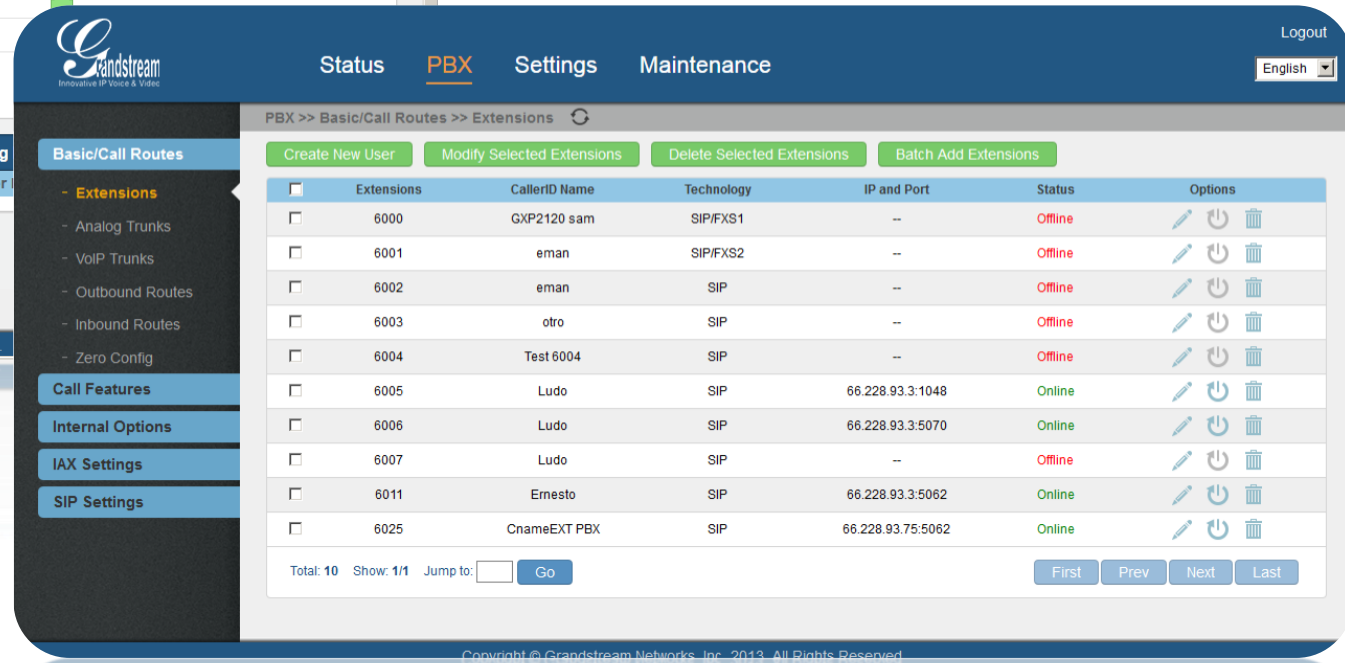
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Easiest Possible Setup...



This screenshot shows the Grandstream PBX Status page. The navigation menu includes Status, PBX, Settings, and Maintenance. The main content area is titled 'Status >> PBX Status >> PBX Status'. It features several sections: 'Trunks' with a table of trunk details, 'Extensions' with a list of extension numbers and their configurations, 'Conference Rooms', 'Interfaces Status', and 'Parking'. The Grandstream logo is visible in the top left corner.



This screenshot shows the Grandstream PBX Basic/Call Routes page. The navigation menu includes Status, PBX, Settings, and Maintenance. The main content area is titled 'PBX >> Basic/Call Routes >> Extensions'. It features a table of extension details and a sidebar menu with options like 'Basic/Call Routes', 'Extensions', 'Analog Trunks', 'VoIP Trunks', 'Outbound Routes', 'Inbound Routes', 'Zero Config', 'Call Features', 'Internal Options', 'IAX Settings', and 'SIP Settings'. The Grandstream logo is visible in the top left corner.

Extensions	CallerID Name	Technology	IP and Port	Status	Options
<input type="checkbox"/>	6000	GXP2120 sam	SIP/FXS1	--	Offline
<input type="checkbox"/>	6001	eman	SIP/FXS2	--	Offline
<input type="checkbox"/>	6002	eman	SIP	--	Offline
<input type="checkbox"/>	6003	otro	SIP	--	Offline
<input type="checkbox"/>	6004	Test 6004	SIP	--	Offline
<input type="checkbox"/>	6005	Ludo	SIP	66.228.93.3:1048	Online
<input type="checkbox"/>	6006	Ludo	SIP	66.228.93.3:5070	Online
<input type="checkbox"/>	6007	Ludo	SIP	--	Offline
<input type="checkbox"/>	6011	Ernesto	SIP	66.228.93.3:5062	Online
<input type="checkbox"/>	6025	CnameEXT PBX	SIP	66.228.93.75:5062	Online

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The screenshot displays the Grandstream PBX web interface. At the top, the Grandstream logo is on the left, and navigation tabs for 'Status', 'PBX', 'Settings', and 'Maintenance' are on the right. The 'PBX' tab is selected. Below the navigation, a breadcrumb trail reads 'PBX >> Basic/Call Routes >> Zero Config'. A left sidebar menu is visible, with 'Basic/Call Routes' selected and 'Zero Config' highlighted. The main content area is titled 'Manage Zero Config' and contains four green buttons: 'Auto Provision Settings', 'Auto Discover', 'Create New Device', and 'Delete Selected Devices'. The 'Auto Provision Settings' and 'Auto Discover' buttons are highlighted with a red box. Below the buttons is a 'Filter:' dropdown menu set to 'All'. A large empty box below the filter contains the text 'No Device defined'.

- Auto-Discovery of SIP endpoints
- Auto-Provision of SIP endpoints
- Zero Config can be managed remotely

UCM6100 Series - **Video**

Delivering high quality, secure and reliable video communications

Full SIP Video Support

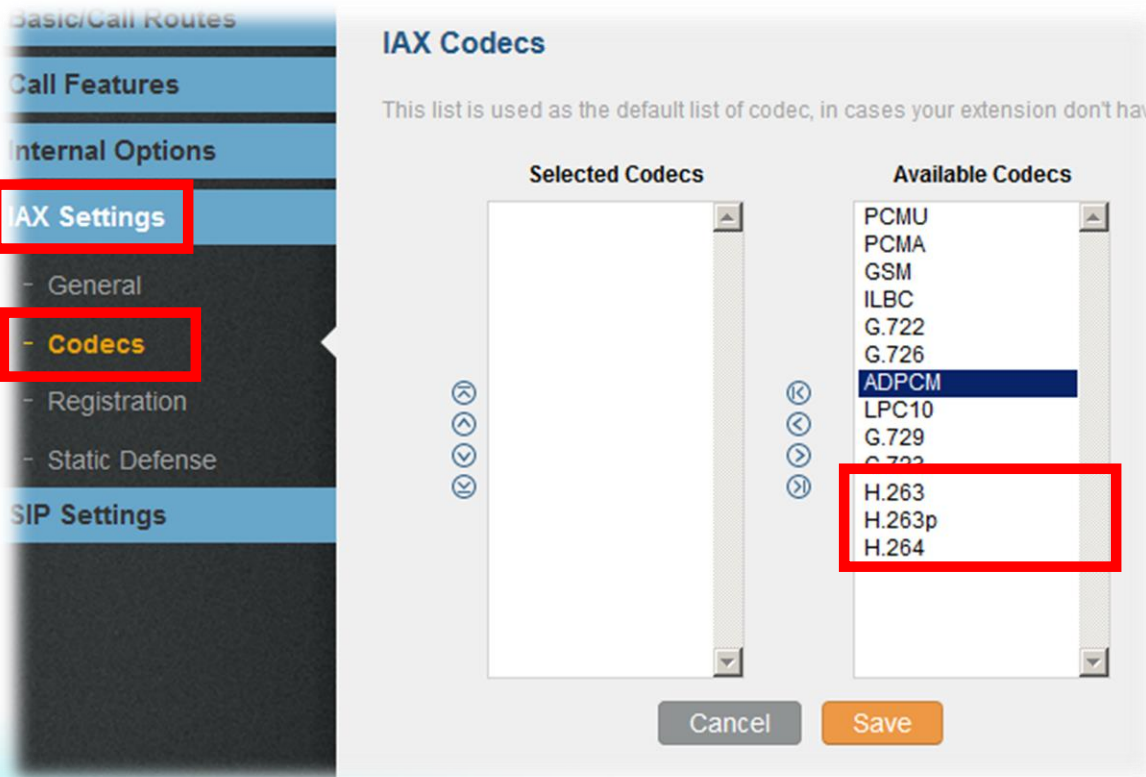


- ◆ Any SIP video endpoint, such as
 - ◆ Video Phones
 - ◆ Video Conferencing Solutions
 - ◆ Door/Facility Access Cameras/Modules
 - ◆ IP Video Surveillance cameras



UCM6100 series - Video

Delivering high quality, secure and reliable video communications



**Supports all major
video codecs**

- H.263
- H.263+
- H.264

UCM6100 series- **Video Calling**

Delivering high quality, secure and reliable video communications



UCM6100 series - Video

Delivering high quality, secure and reliable video communications



Video Calling

- Video calling from video-enabled endpoint to video enabled endpoint automatically supported with no action needed
- UCM6100 series can transcode video codecs if needed

UCM6100 series- **Video Surveillance**

Delivering high quality, secure and reliable video communications



UCM6100 series- **Video**

Delivering high quality, secure and reliable video communications



Video Surveillance Integration

- Create a comprehensive solution to view, monitor and receive alerts from IP cameras
- Register IP cameras to the PBX
- Make video calls to IP cameras to view live feeds
- Speak through cameras with 2-way audio & video (door entry)
- IP cameras can be set to automatically call video phone when alert is triggered
- Receive alerts from anywhere in the world

Cameras are Registered to the IP PBX the same way as any Endpoint

The screenshot displays the Grandstream PBX web interface. The top navigation bar includes 'Status', 'PBX', 'Settings', and 'Maintenance'. The left sidebar lists various configuration options under 'Basic/Call Routes', 'Call Features', 'Internal Options', 'IAX Settings', and 'SIP Settings'. The main content area shows a table of registered extensions with columns for checkboxes, extension numbers, caller ID names, technologies, IP and port addresses, and status (Online/Offline). Action buttons for 'Create New User', 'Modify Selected Extensions', 'Delete Selected Extensions', and 'Batch Add Extensions' are visible above the table. At the bottom of the table, there are pagination controls including 'Total: 10', 'Show: 1/1', 'Jump to:', and 'Go', along with 'First', 'Prev', 'Next', and 'Last' buttons.

<input type="checkbox"/>	Extensions	CallerID Name	Technology	IP and Port	Status	Options
<input type="checkbox"/>	6000	GXP2120 sam	SIP/FXS1	--	Offline	
<input type="checkbox"/>	6001	eman	SIP/FXS2	--	Offline	
<input type="checkbox"/>	6002	eman	SIP	--	Offline	
<input type="checkbox"/>	6003	otro	SIP	--	Offline	
<input type="checkbox"/>	6004	Test 6004	SIP	--	Offline	
<input type="checkbox"/>	6005	Ludo	SIP	66.228.93.3:1048	Online	
<input type="checkbox"/>	6006	Ludo	SIP	66.228.93.3:5070	Online	
<input type="checkbox"/>	6007	Ludo	SIP	--	Offline	
<input type="checkbox"/>	6011	Ernesto	SIP	66.228.93.3:5062	Online	
<input type="checkbox"/>	6025	CnameEXT PBX	SIP	66.228.93.75:5062	Online	

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Make it a Solution...

Register Grandstream's SIP cameras to an IP PBX



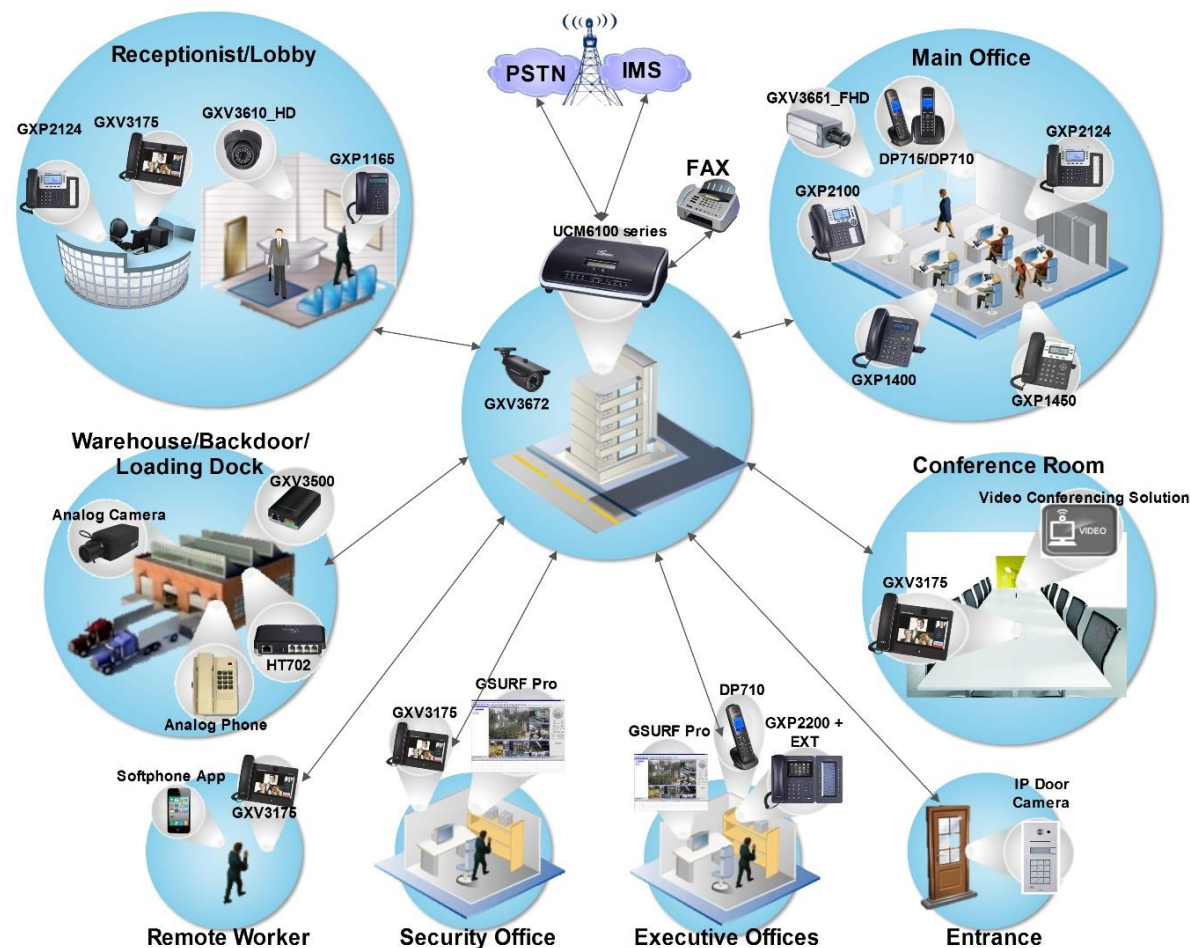
- Make video calls to IP cameras to see live feeds
- Set cameras to call video device (IP Video phones) when alert/alarm is triggered
- Cameras can send you an email or screen capture
- To communicate with IP Door Cameras, etc.
- 2-way video/audio calls to/from cameras thanks to SIP/VoIP support
 - *GXV3601 series, GXV3610 series, GXV3611_HD and GXV3615 series feature built-in microphone and speaker*

Advantage 1: Integrated Solution under One Network

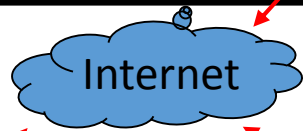
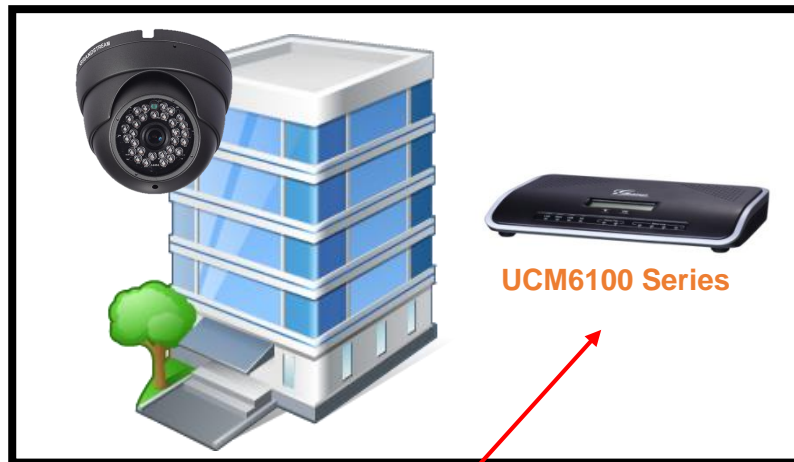


Unified Communications: One Integrated Network Solution

- ◆ All Grandstream phone, cameras, and UCM6100 series are SIP-based devices
- ◆ A true Unified Communications solution offering voice, video, data and mobility features
- ◆ All devices can be easily setup, customized and managed from one central location
- ◆ Add functionality to devices by combining them onto the same network
- ◆ Even add/include analog phones and analog cameras

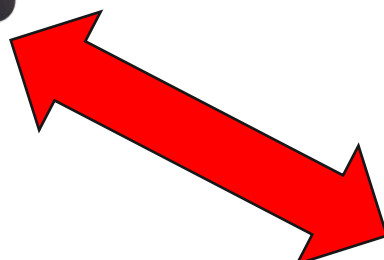
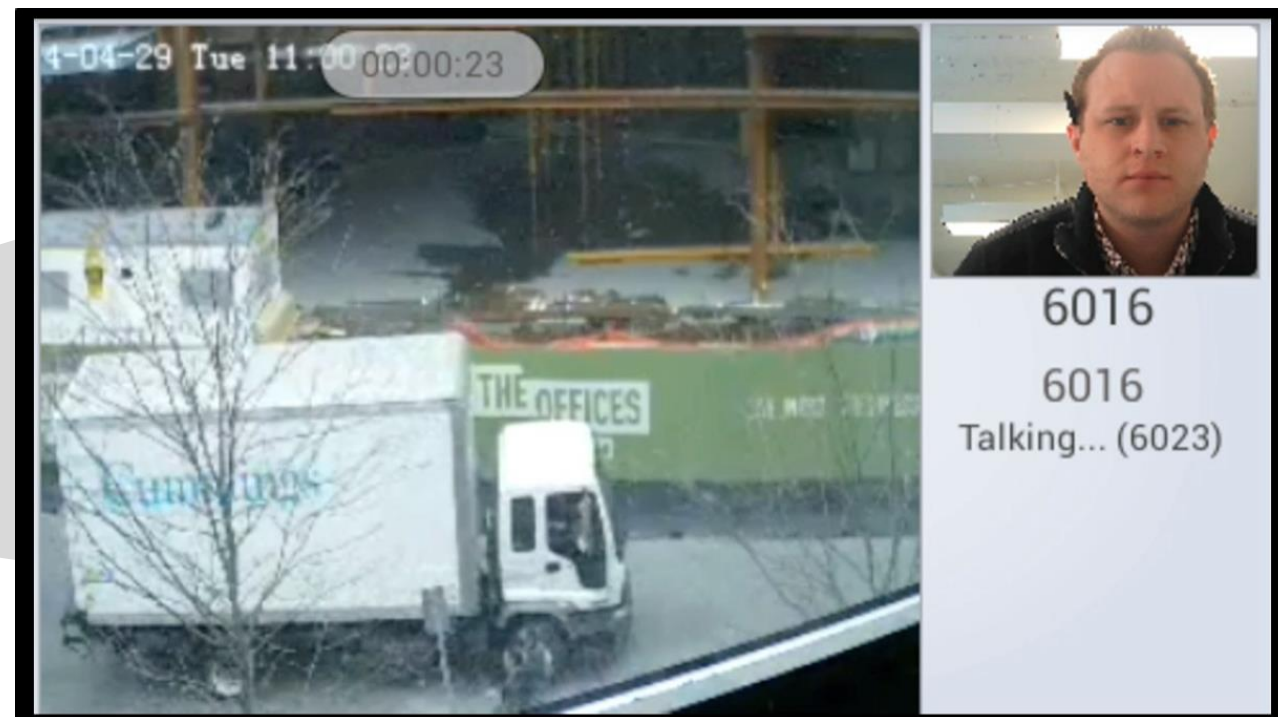


Communicate With Cameras on Any Network



- ◆ **Camera's can send alerts or be contacted from outside networks thanks to their SIP registration when registered to an IP PBX**
 - ◆ You set the phone number the cameras contact when an alert is triggered
 - ◆ With a SIP registration, any IP camera is given a phone number/IP address that can be called to view the camera's live feed
 - ◆ View camera's live feed from any device that has an internet connection

Integrating Surveillance with Your IP PBX



1. Receive video calls from cameras whenever alerts/alarms are triggered
2. Make video calls to cameras to see the live feed

Video Surveillance Alerts

1. Browser/GSurf Live View

When an alarm is triggered, the Live View will notify user using pop-up on-screen



2. Video Call to video devices



3. Voice Call Alerts



4. Email Screenshot

When a new object is detected by the camera



Set Up Alarm Actions...

Alarm Action

- Record Video From Pre Alarm Up to seconds to After Alarm Up to seconds ⓘ
- Voice Alarm to SIP Phone
- Upload to Alarm Center
- Upload to Alarm HTTP Server
- Record Video and Upload to FTP Server
- Email and FTP upload JPEG

Pre Alarm Up to seconds to After Alarm Up to seconds

Alarm Action is where you tell the camera what to do when it senses an alarm (where to send the alert to and how to alert you)

Pre Alarm Up to seconds to After Alarm Up to seconds

Email and FTP upload JPEG

Voice/Video Alerts to SIP Phone

Alarm Action

- Record Video From Pre Alarm Up
- Voice Alarm to SIP Phone
- Upload to Alarm Center
- Upload to Alarm HTTP Server
- Record Video and Upload to FTP S
- Email and FTP upload JPEG

Pre Alarm Up to seconds to A



Grandstream GXV3610_H

- Home
- Basic Settings**
- System
- Video & Audio
- OSD
- CMOS Settings
- Networking
- DDNS
- SIP**
- Status
- Advanced Settings

General Phone Settings

Registered:
Unregister On Reboot:

SIP Settings

Account Name:
SIP Server:
Outbound Proxy:
SIP User ID:
Authenticate ID:
TEL URI:
Authenticate Password:

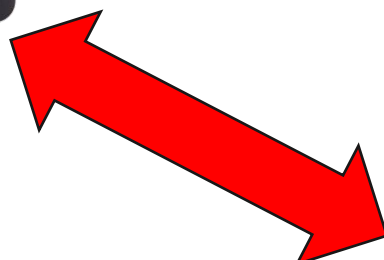
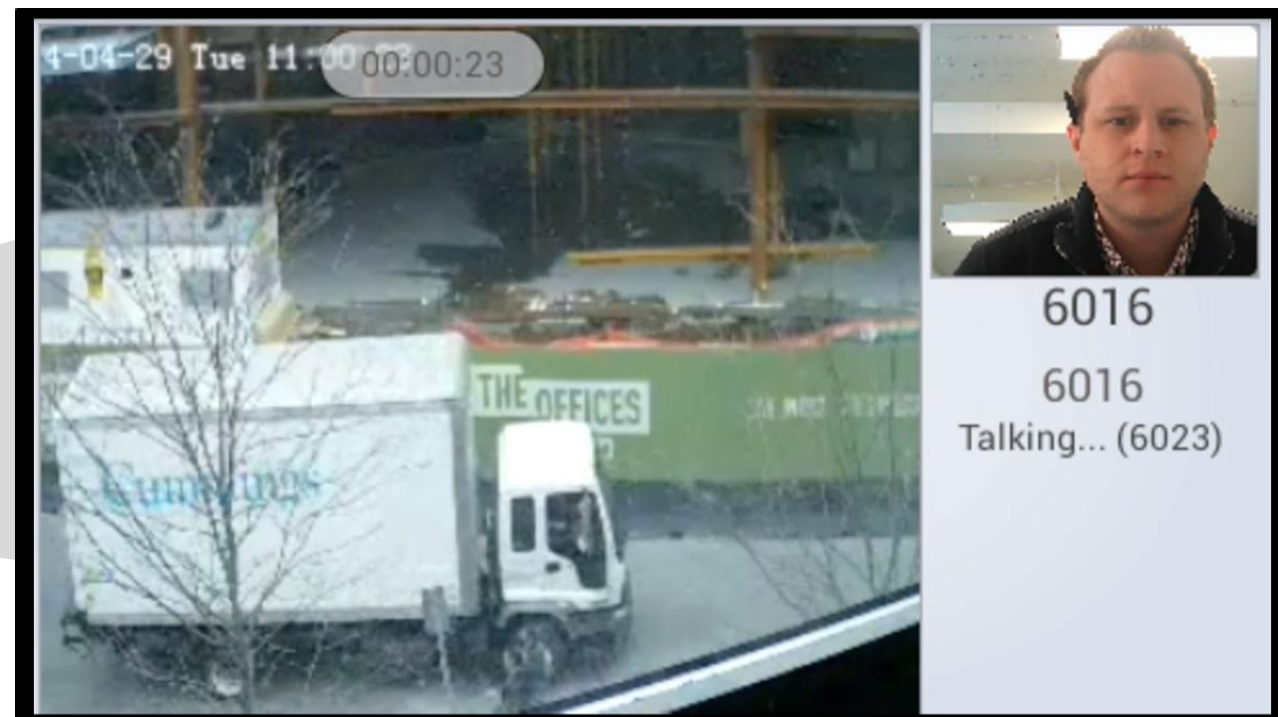
Phone List

Phone Number	Remark Name	Remove
<input type="text"/>	<input type="text"/>	<input type="button" value="Add..."/>

White List

Phone Number	Remove
<input type="text"/>	<input type="button" value="Add..."/>

Integrating Surveillance with Your IP PBX



1. Receive video calls from cameras whenever alerts/alarms are triggered
2. Make video calls to cameras to see the live feed

UCM6100 series- **Video Conferencing**

Delivering high quality, secure and reliable video communications



UCM6100 series – Video Conferencing

Delivering high quality, secure and reliable video communications



Video Conferencing

- Integrate 3rd Party SIP-based Video Conferencing solutions
 - This also allows conferencing solutions to interact with video phones, video cameras, etc.

UCM6100 series- IP Door Cameras

Delivering high quality, secure and reliable video communications



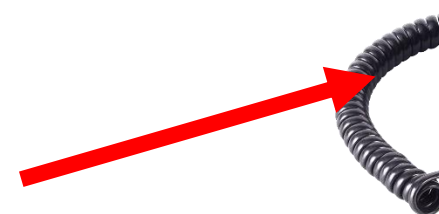
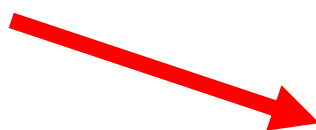
Turn a Grandstream IP Surveillance Camera into a Door Opener when Paired with a Grandstream Video Phone

Step 1: Configure the Grandstream Video Phone and the IP Camera

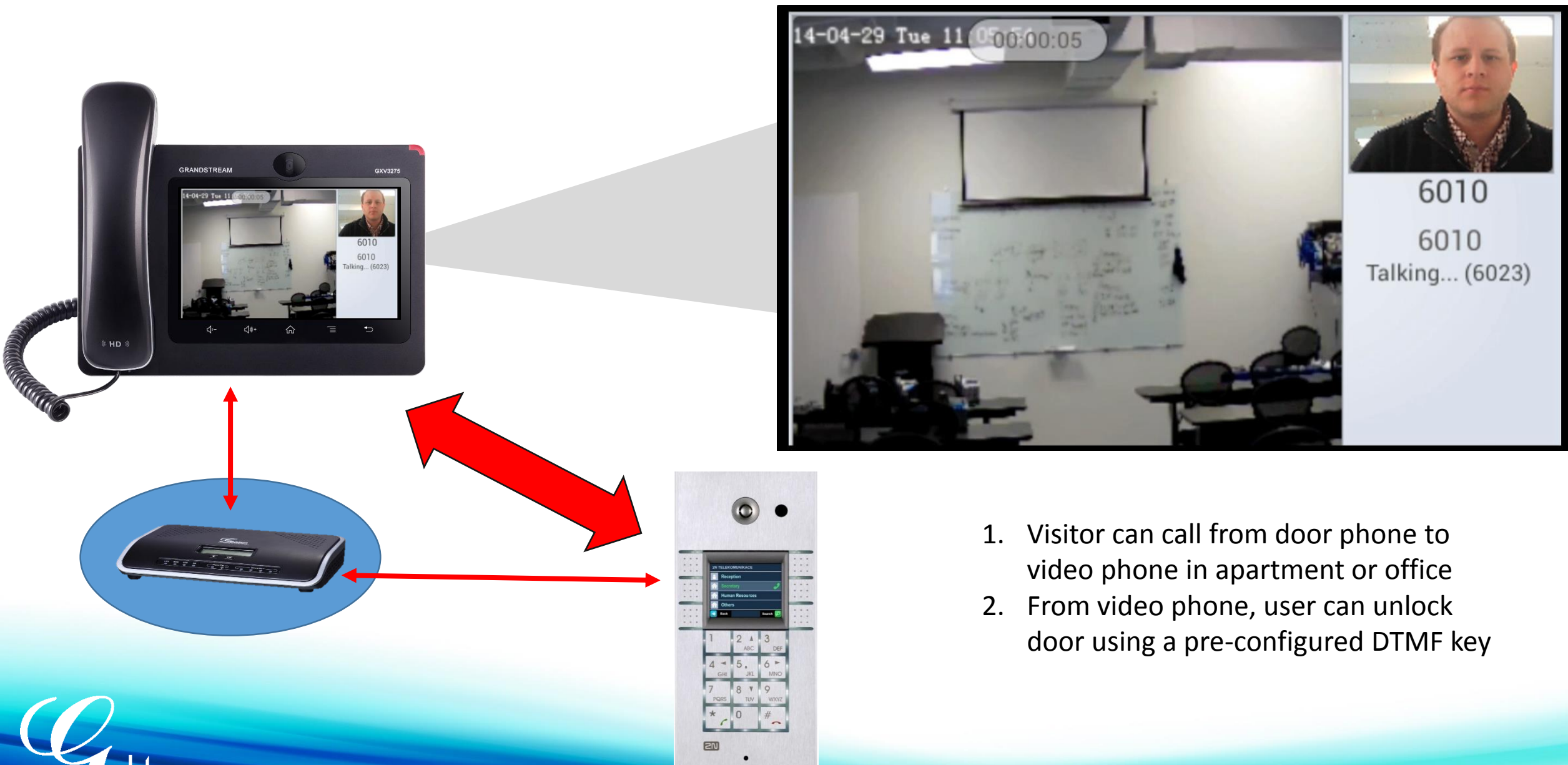
Step 2: Enable Alert Event

Step 3: Connect Doorbell and IP Camera

Step 4: Open Door via Incoming Video Call



Integrating Surveillance and Door Access Solutions with Your IP PBX



1. Visitor can call from door phone to video phone in apartment or office
2. From video phone, user can unlock door using a pre-configured DTMF key



Thanks!

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www.grandstream.com

