GRANDSTREAM

CONNECTING THE WORLD

AGENDA

1. COMPANY OVERVIEW
2. NEW PRODUCTS
3. IP SURVEILLANCE PRODUCTS
4. SURVEILLANCE FEATURES
5. PAIRING WITH UCM6XXX SERIES IP PBX

GRANDSTREAM
CONNECTING THE WORLD

- **Founded in 2002**
- **Over 500 employees**
- **Product Portfolio contains over 40 products: *Video Conferencing System, Audio Conference Phone, 20 different IP Phones, 5 ATAs, 10 IP Surveillance cameras, 5 Video Encoder/Decoders & 2 IP PBXs***
- **Primarily serving small-to-medium size businesses (SMBs) and consumer markets**

US

Boston - Headquarters
Los Angeles, CA
Dallas, TX

China

Hanghou, Shenzhen

Hong Kong - Warehouse

Morocco

Casablanca - Support Center, EMEA

Venezuela

Venezuela- Support Center, LATM

Netherlands

Moerdijk - Warehouse

Awards & Recognition

15 time winner

9 time winner

2 time winner

Global Presence

Over 10 Years of Growth and Innovation...

Product Interoperability

IP-PBX and Softswitch

ITSPs

Product Interoperability

Door Intercom

VoIP Applications, Services, and Hardware

Video Management Systems

Driving network video through global standardization

VoIP Product Lines

- IP Multimedia Phones
- Enterprise IP Phones
- Small Business / Home Office IP Phones
- Analog Gateways & ATAs
- IP PBX Appliances
- Video & Audio Conference Systems

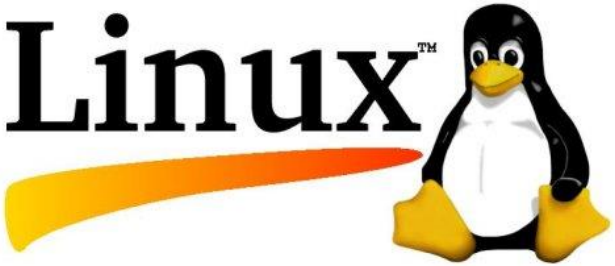
Surveillance Product Lines

- Box IP Cameras
- Cube & Mini Dome IP Cameras
- IP Video Encoders
- Outdoor IP Cameras
- Video Management Software
- Network Video Recorder

Grandstream's Long History of Open Source

SIP

Android is a Registered Trademark of Google Inc.



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UPCOMING PRODUCTS

GXP1700 Series
Mid-Range IP Phones

GDS3710
HD IP Video Door System

GWN7600
Wireless Access Point

GWN7000
Wireless Router

Coming Soon

GXP1760

Mid-Range IP Phone

- 200 x 80 pixel back-lit LCD display
- Digital BLF Keys, 24 programmable keys
- 6 lines, 3 SIP accounts
- 5-way conferencing
- Automated provisioning
- Integrated PoE, USB Port, and EHS support

broadsoft (Pending)

Metaswitch Networks (Pending)

Coming Soon

GXP1780/82

Mid-Range IP Phone

- 200 x 80 Pixel Back-Lit LCD Display
- Digital BLF Keys, 32 Programmable Keys
- 8 lines, 4 SIP Accounts
- 5-way Conferencing
- Automated provisioning
- Gigabit Network Ports on GXP1782 Only
- Integrated PoE USB Port, and EHS Support

broadsoft (Pending)

Metaswitch Networks (Pending)

Coming Soon

GWN7600

Entry Level Wireless Access Point

- Supports more than 250+ WiFi client devices.
- 1.167Gbps wireless throughput and 2x Gigabit wireline ports.
- 175-Meter coverage range for superior device mobility.
- Dual-band 2x2:2 MIMO technology
- Advanced Wi-Fi security features, including WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise
- Offers simultaneous dual band Wi-Fi signals.
- Embedded controller for auto-discovery, auto-provision, and management of up to 25 GWN7510s.

Coming Soon

GWN7000

Enterprise Multi-WAN Gigabit VPN Router

- Embedded Provisioning. Can control up to 500 GWN76xx WiFi access points.
- Seven Gigabit ports, 2 WAN and 5 LAN.
- Hardware accelerated VPN including PPTP, L2TP/IPSec and OpenVPN with speeds up to 300Mbps.
- 1M packet/sec routing & 10Gbps aggregate switching power.
- 3G/4G-LTE wireless uplink via USB dongle.
- Web interface to centrally monitor/provision the entire network

Coming Soon

GDS3710

HD IP Video Door System

- HD Resolution up to 1080p, 30 frames per second.
- Built-in RFID chip reader for keyless entry.
- SIP/VoIP support for streaming of video feeds to multiple smartphones, sip endpoints and software simultaneously.
- Hemispheric camera for 180 degree wall-to-wall coverage, supports motion detection.
- Weatherproof, vandal resistant, PoE enabled, built in microphone and speaker for intercom functionality.

NEW PRODUCTS

HT802/812/814
Analog Telephone Adapters

UCM6200
IP PBX Appliance

GWN7610
Wireless Access Point

New

GWN7610

Mid-Range Wireless Access Point

- Supports more than 250+ WiFi client devices.
- 1.75Gbps wireless throughput and 2x Gigabit wireline ports.
- 175-Meter coverage range for superior device mobility.
- Dual-band 3x3:3 MIMO technology
- Advanced Wi-Fi security features, including WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise
- Offers simultaneous dual band Wi-Fi signals.
- Embedded controller for auto-discovery, auto-provision, and management of up to 50 GWN7510s.

New

UCM6200 series

IP PBX Appliance

- 2/4/8 FXO trunk port models, 2 FXS ports with lifeline capability.
- Up to 100 concurrent calls and up to 32 conference attendees
- Up to 800 SIP endpoints and up to 50 SIP trunk accounts
- Dual Gigabit network ports, integrated PoE, USB and SD ports
- Zero Configuration endpoint provisioning and no licensing fees

New

HT802

Analog Telephone Adapter

- Supports 2 SIP profiles, with 2 FXS ports and one 10/100Mbps port
- Supports 3-way voice conferencing.
- T.38 Fax support for creating Fax-over-IP
- Advanced Telephony features, such as call transfer, multi-language prompts, flex dial plan, and more.
- Automated provisioning options include TR-069 and XML config files.

broadsoft (Pending)

Metaswitch Networks (Pending)

New

HT812

HT814

HT812 & HT814

FXS Port Analog Adapter

- HT812 – 2 FXS ports with 2 SIP profiles
- HT814 – 4 FXS ports with 4 SIP profiles
- Dual Gigabit network ports and integrated NAT router
- Features T.38 Fax, 3-way audio conferencing, and a wide range advanced telephony features
- Automated provisioning options including TR-069 and XML config files
- Supports ZeroConfig to use with the UCM series of IP PBXs

broadsoft (Pending)

Metaswitch Networks (Pending)

GVR3550

Network Video Recorder

- Up to 24 channels 720p HD, or 16 channels of 1080p FHD video/audio real-time recording
- Up to 4 SATA 3.5” internal hard drives with maximum 16TB storage and RAID 0 or RAID 1 configurations
- 1 HDMI and 1 VGA output, as well as USB, eSATA and alarm in/out ports
- Compatible with all Grandstream surveillance devices, as well as all ONVIF compliant IP cameras

GVR3552

Network Video Recorder

- Up to 8 channels 1080p FHD, or 16 channels of 720p HD video/audio recording
- Up to two 2.5” internal hard drives with up to 4TB storage
- HDMI, USB and VGA interfaces
- Compatible with all Grandstream surveillance products, and all ONVIF compliant IP cameras (pending)

GXV3672 series

720p/1080p Outdoor Tube Camera

- GXV3672_36: 1.2MP, 3.6mm lens
- GXV3672_FHD: 3.1M camera, 8mm lens
- H.264 ONVIF compliant infrared
- Day/night mode with light sensor and IR_CUT filter

GXV3674 HD/FHD

720p/1080p Outdoor Tube Camera

- 2.8mm-12mm Vari-focal lens, 1.2MP
- H.264 ONVIF compliant infrared 720p HD, 1080p FHD
- IP66 weatherproof

Full HD 1080 HD 720

GXV3610 HD/FHD

720p/1080p Outdoor Dome Camera

- H.264 ONVIF compliant infrared 720p HD, 1080p FHD
- 1.2MP, 3.6mm lens
- IP66 weatherproof
- Day/night mode

Available in

GXV3610FHD

1080p Outdoor Dome Camera

- IP66 vandal & weather resistant
- H.264 ONVIF compliant
- GXV3662_HD: 1.2MP, 3.3-12mm lens
- GXV3662_FHD: 3.1MP, 3.3-12mm lens
- Integrated PoE

Full HD 1080

GXV3611IR_HD

Indoor Infrared Fixed Dome HD IP Camera

- Integrated IR-CUT for day/night mode
- Integrated microphone and speaker
- H.264 ONVIF compliant HD (720p)
- 2MP, 2.8mm lens
- Integrated PoE
- Supports Time-lapse photography

HD 720

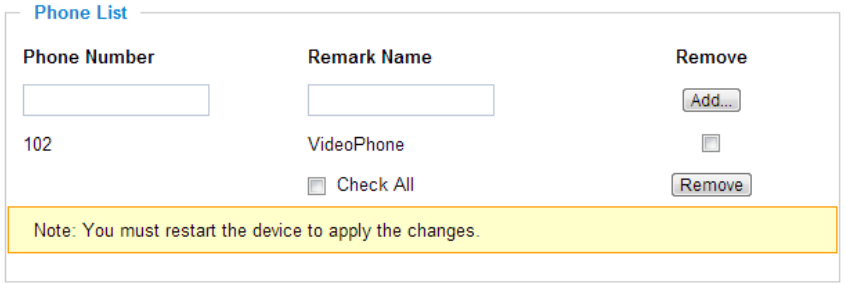
GXV3500

Video Encoder/Decoder

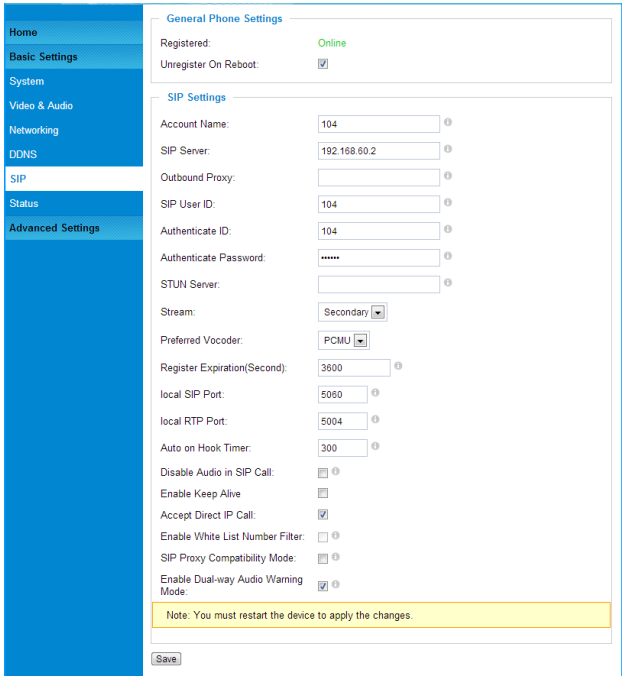
- 1 channel video encoder or decoder
- Rich peripheral interfaces
- H.264 ONVIF compliant

Surveillance Features

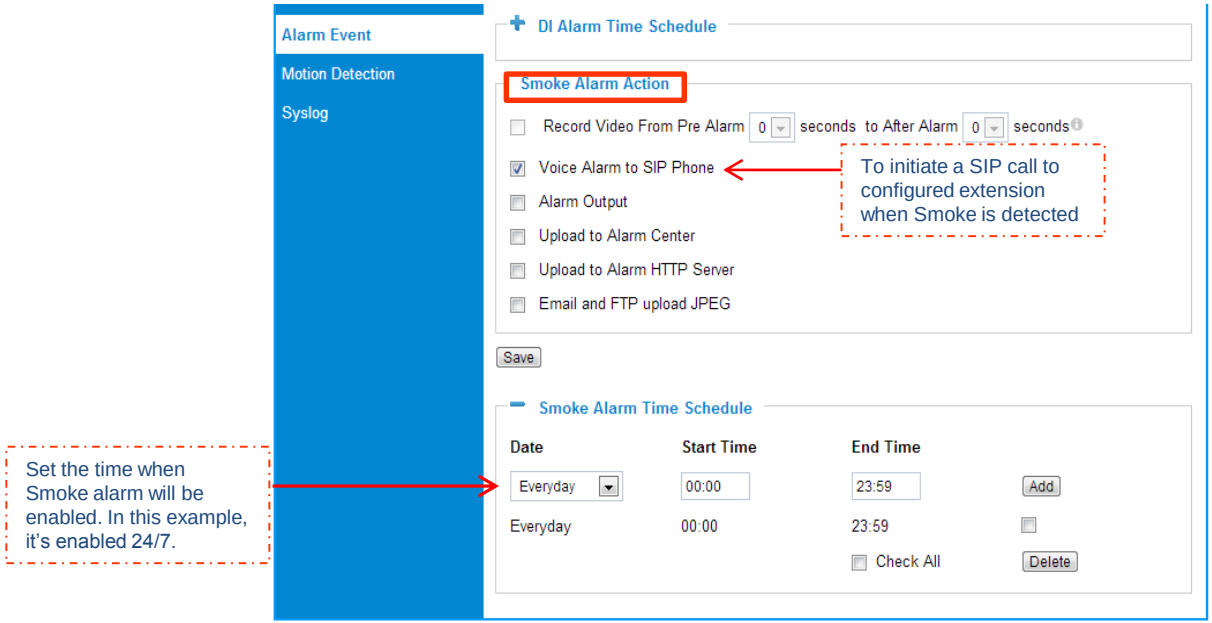
Define the phone number to call from the camera



IP Camera SIP Settings

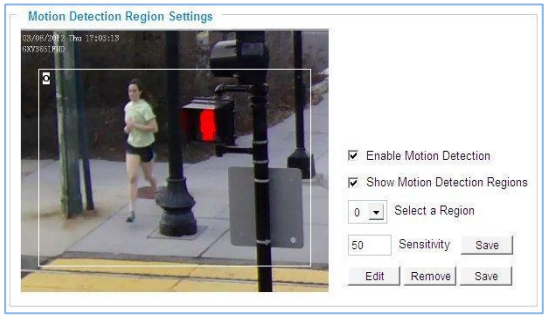


Scenario 1: Smoke Detection (GXV3611IR_HD only)

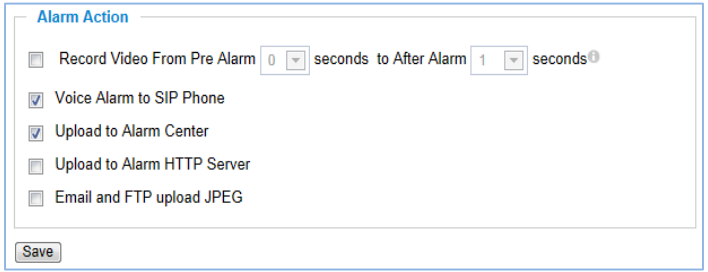


Scenario 2: Motion Detection (GXV3611IR_HD only)

Step1: Enable Motion detection and setup regions

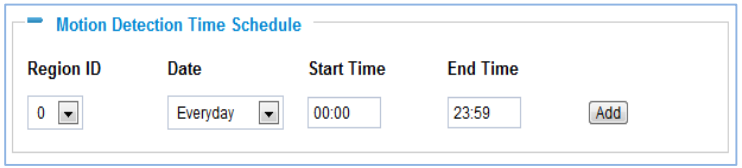


Step2: Enable Motion detection and setup regions

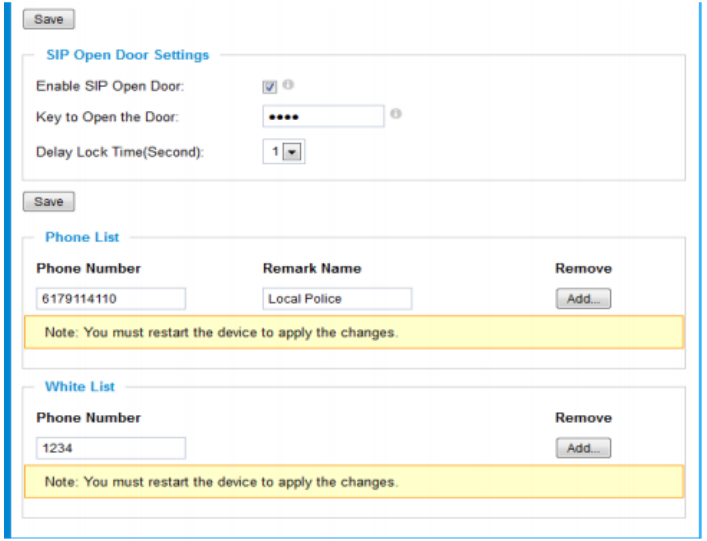


Note: When **Upload to Alarm Center** is checked, the Motion Detection region and icon (in Home page) will blink in red if your camera detects any motion.

Step3: Setup Motion detection Time Schedule



Scenario 3: Open Door Feature (DTMF)



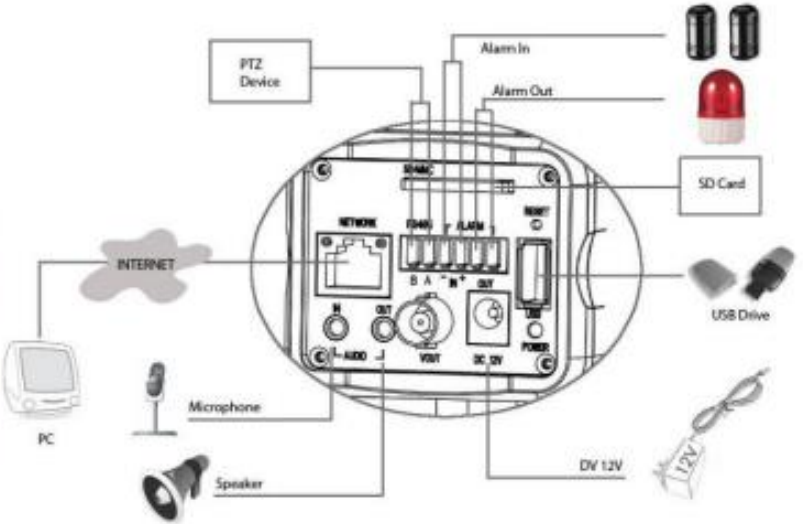
- **Enable SIP Open Door**: This will close the DO connections in the back to close the circuit connected to it.
- **Key to Open the Door**: DTMF key (Currently only SIP INFO DTMF is supported) to close the circuit. Digits 0-9 only.
- **Delay Lock Time(Second):** This is the time in seconds that the circuit will remain closed when this function is triggered
- **Phone List/Phone Number**: Callee or call receiver number when alarm call trigged.
- **White List/Phone Number**: Phone numbers allowed to call into the camera.

Notes:

- OpenDoor feature is not available in following models: GXV3615/GXV3615WP_HD/GXV3672HD/FHD
- OpenDoor feature can be used in combination with Alarm IN/OUT using a Door Bell connected in Alarm IN and Door lock connected in Alarm OUT

Scenario 4: Alarm In

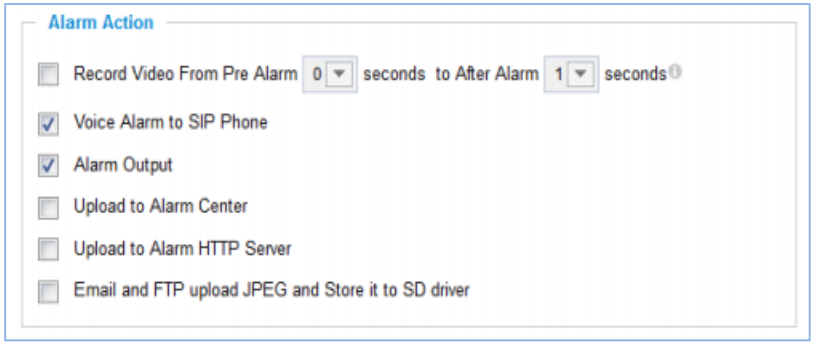
Step1: Configuring Alarm Input on the camera



Scenario 4: Alarm In

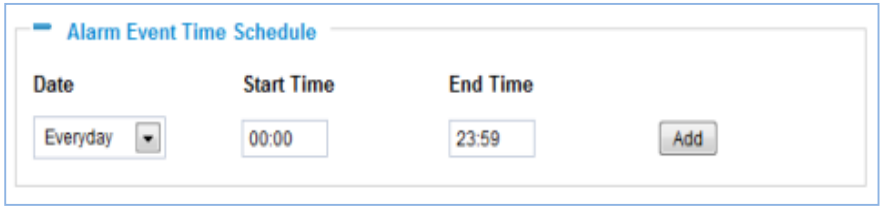
Step2: Enable Alert Event

Configuration > Advanced Settings > Alert Event



Step3: Configure Alarm Schedule

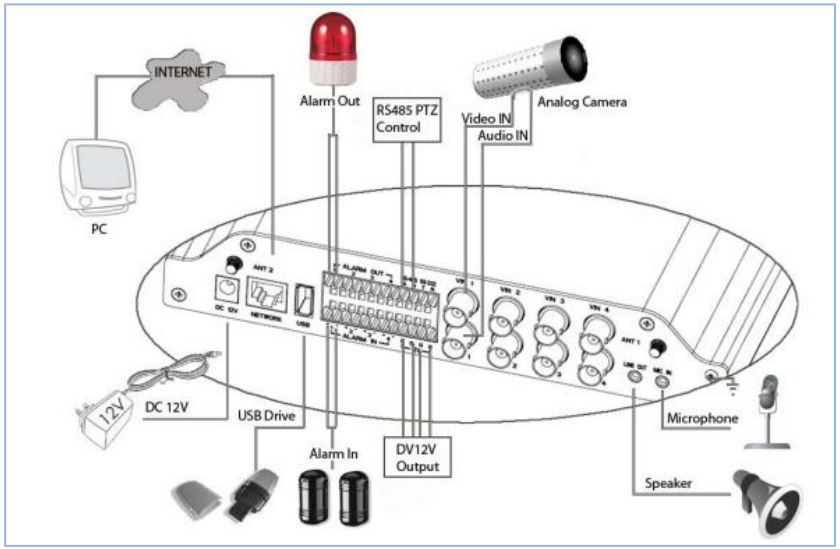
Configuration > Advanced Settings > Alert Event



In this scenario, when Alarm IN triggers an alarm, a SIP call will be triggered to preconfigured SIP phone and Alarm Output circuit will be closed/opened (depending on initial state)

Scenario 5: Encoders

With two encoders: GXV3504 supporting up to 4 analog cameras, and GXV3500 supporting one analog camera



A video encoder digitizes analog video signals and sends digital images directly over an IP network, such as a LAN, intranet or Internet.

It essentially turns an analog video system into a network video system and enables users to view live images using a Web browser or a video management software such as Gsurf_Pro or else on any local or remote computer on a network.

It allows authorized viewers from different locations to simultaneously access images from the same analog camera, as well as network cameras if they are added to the system.

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

*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

UCM6100 & UCM6510 series IP PBX Appliances

UCM6100 series

UCM6510

Asterisk®

2014 TMC INTERNET TELEPHONY PRODUCT OF THE YEAR

2015 TMC INTERNET TELEPHONY PRODUCT OF THE YEAR

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2014 INTERNET TELEPHONY PRODUCT OF THE YEAR

UCM6100 series

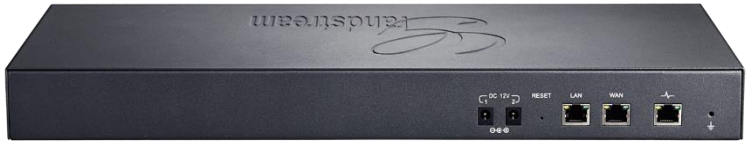
IP PBX Appliance

- 2/4/8/16 FXO trunk port models, 2 FXS ports
- Up to 60 concurrent calls and up to 32 conference attendees
- Up to 500 SIP endpoints and up to 50 SIP trunk accounts
- Dual Gigabit network ports, integrated PoE, USB and SD ports
- Zero Configuration endpoint provisioning and no licensing fees

2015 INTERNET TELEPHONY PRODUCT OF THE YEAR

UCM6510

IP PBX Appliance



- E1/T1/J1 Interface
- 2 PSTN trunk FXO ports, 2 FXS ports with lifeline capability
- Up to 2000 SIP endpoints and up to 50 SIP trunk accounts
- Dual Gigabit network ports, integrated PoE, USB and SD ports
- Zero Config endpoint provisioning and no licensing fees

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

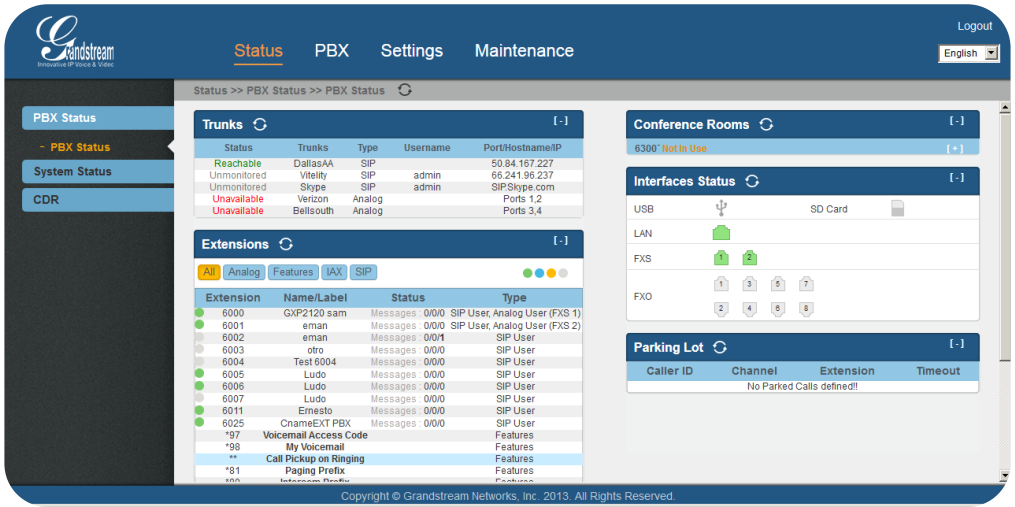
Data
Phonebook files
CDR
Codec Transcoding
System Backup
Call Recording
Voicemail/fax to email

Mobility
Softphone apps
Monitor your business
Connect Multiple Offices

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

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



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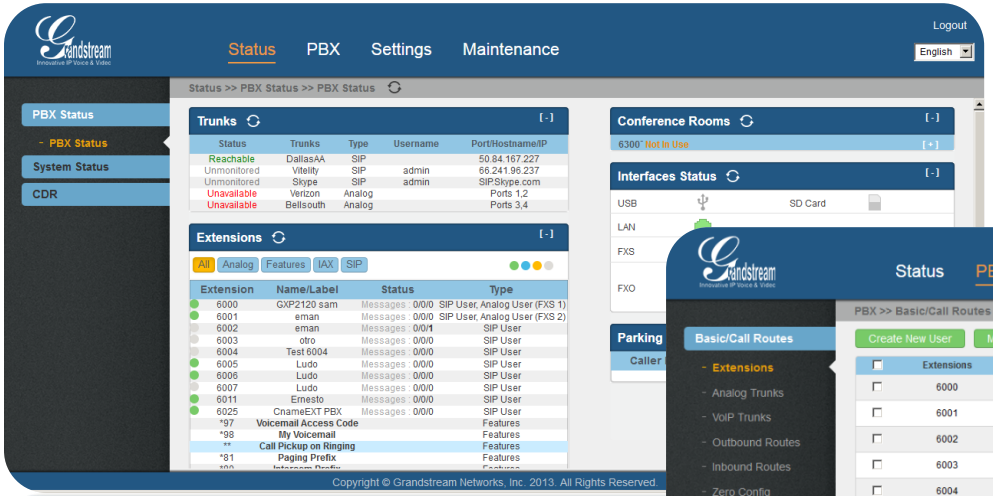
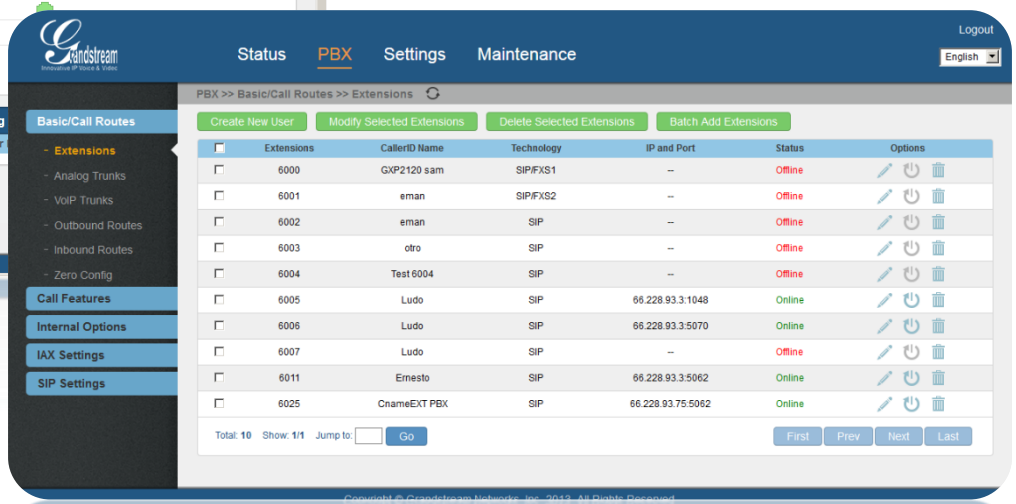
Easiest Possible Setup…





Asterisk

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*Delivering high quality, secure and reliable **video communications***

Delivering high quality, secure and reliable video communications

Video Calling

- Any SIP video endpoint
- See customers and employees through real-time, face-to-face video communication

Delivering high quality, secure and reliable video communications

Video Calling

- When used with Grandstream video phones, create your own multi-user video conference

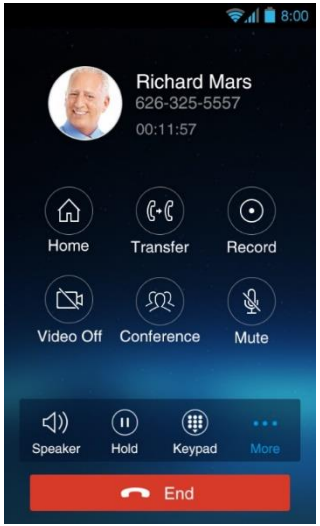
Delivering high quality, secure and reliable video communications

Video Surveillance Integration

- Create a comprehensive solution to 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

*Delivering high quality, secure and reliable **mobility***

Delivering high quality, secure and reliable mobility



Make and receive calls on a smartphone & tablet

- Compatible with SIP smartphone & computer applications, including Grandstream Wave, Bria, and Zoiper
- Utilize the extension for the user, rather than their desk at the office
- Supports both video and audio calls

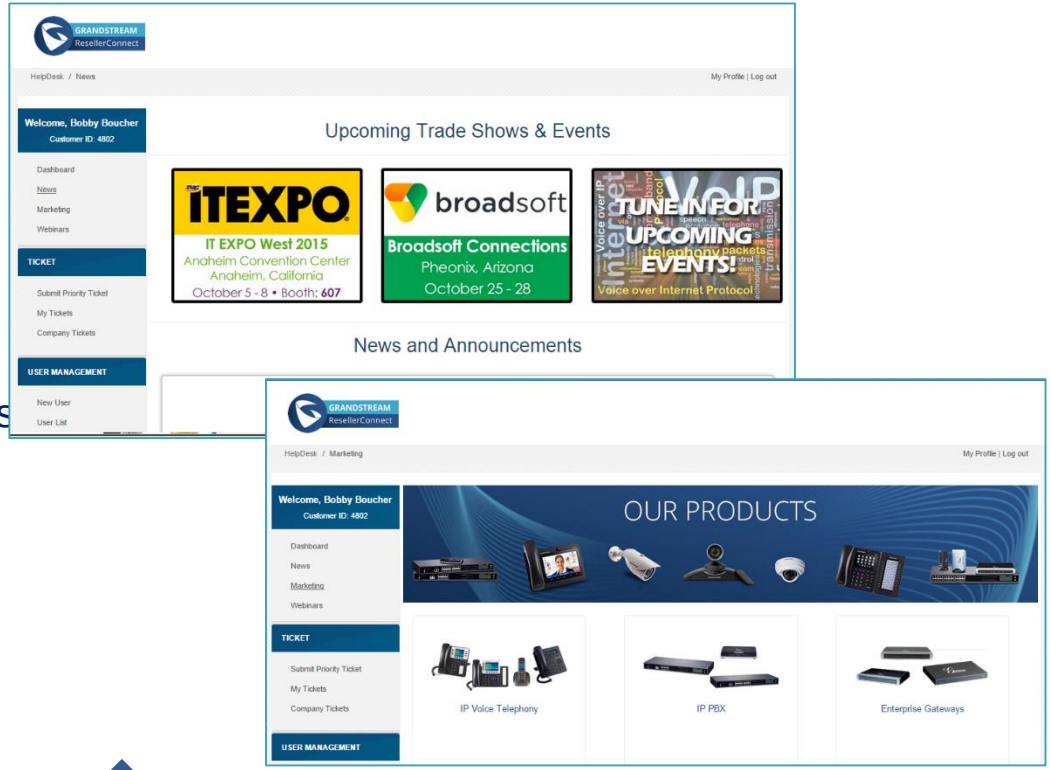
Delivering high quality, secure and reliable mobility

Monitor your business from anywhere

- View live feeds & receive alerts from IP cameras on any device with an internet connection
- Speak through IP cameras

ResellerConnect – Grandstream's Exclusive Reseller Portal

- Priority technical support tickets
- Exclusive product webinars
- Advance notification
- Access to high-resolution product images & graphics
- Weekly site updates & announcements
- Notification of feature & firmware updates
- Qualification as a ***Grandstream Certified Reseller***



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CONNECTING THE WORLD

Thank you

Any Questions?

GRANDSTREAM
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CONNECTING THE WORLD

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