

### PagePro IP<sup>TM</sup> SIP Based Paging Server Model VIP-204

#### FEATURES:

Easy To Install

Multiple Simultaneous Pages

Live or Recorded Messages

65,000 Speakers, Expandable To 256 IP Paging Zones

Easily Connect Loudspeaker System To Existing Computer Networks

Compatible With Cisco, Nortel, Avaya, Iwatsu And Most IP Telephone Systems

Supports IP And Analog Amplified Speakers

Supports IP Talkback Speakers

Supports Legacy Paging Systems

Synchronized Clock Compatibility

PoE (802.3af) Or Local Power

SIP And Multicast

Network Supervision

Night Ring

Feedback Eliminator

DHCP



#### Applications

**General:** Large dispersed paging /notification applications over existing networks

**Governments:** Provide secure, supervised, high survivability notification systems

**Healthcare:** The most practical way to page huge facilities

**Education:** Cost effectively page hundreds of buildings (supervised)

**Transportation:** Airports, Ferry Terminals, Subway Stations, Bus Stops, etc

#### General Description

The PagePro IP Model VIP-204 is a SIP based paging server designed for use with virtually all IP based telephone systems. The unit provides 8 zones, groups thereof and all call paging. Up to 4 simultaneous non conflicting pages. This PagePro IP unit can drive up to 65,000 IP speakers or 65,000 analog speakers or provide the audio source for legacy paging systems. It can simultaneously drive any combination of these paging applications. The VIP-204 can form the foundation of most paging projects. The 8 zones can be accessed individually or in flexible groups. If more zones are needed, multiple VIP-204 devices can be grouped together. Provides feedback elimination.

## **Group Paging Features**

The PagePro IP Model VIP-204 allows SIP based phone systems to page any number of Valcom IP speakers, Valcom Amplified Speakers and Valcom VIP series analog paging gateways. Valcom multicast group paging features robust grouping and priority controls. These controls make it easy to distribute low priority announcements yet allow high priority paging to override ongoing announcements.

## **Group Paging Features**

The PagePro IP Model VIP-204 provides 8 IP zones and 4 analog outputs capable of driving a mix of Valcom self amplified overhead paging speakers and horns. These outputs can be grouped together to be accessed at one time for zone paging applications. The VIP-204 provides 8 fully customizable SIP identities that can access any combination of the IP zones or analog ports. Analog group paging functions can be seamlessly combined with IP paging functions allowing powerful combinations of analog and IP paging.

## **Group Paging Priority Feature**

Any page group or port can be assigned a priority. These priorities allow a logical scaled approach to group paging. An absolute priority can be assigned to allow for emergency override in any circumstance. Group paging priorities work locally or across grouped units in the same fashion allowing facility wide emergency paging. Red Phone functionality is easily achieved with either IP phone or analog handsets via a Valcom gateway.

## **Feedback Elimination Feature**

The PagePro IP Model VIP-204 provide programmable store and forward capability for all paging accesses. This features records up to 30 seconds of audio, and then replays the audio when the page call is terminated. The number of times the recorded audio is played back can be set from 1 to 4. Some paging applications require live announcements. For these applications the store and forward capability can be turned on/off per page zone.

## **Night Ring Features**

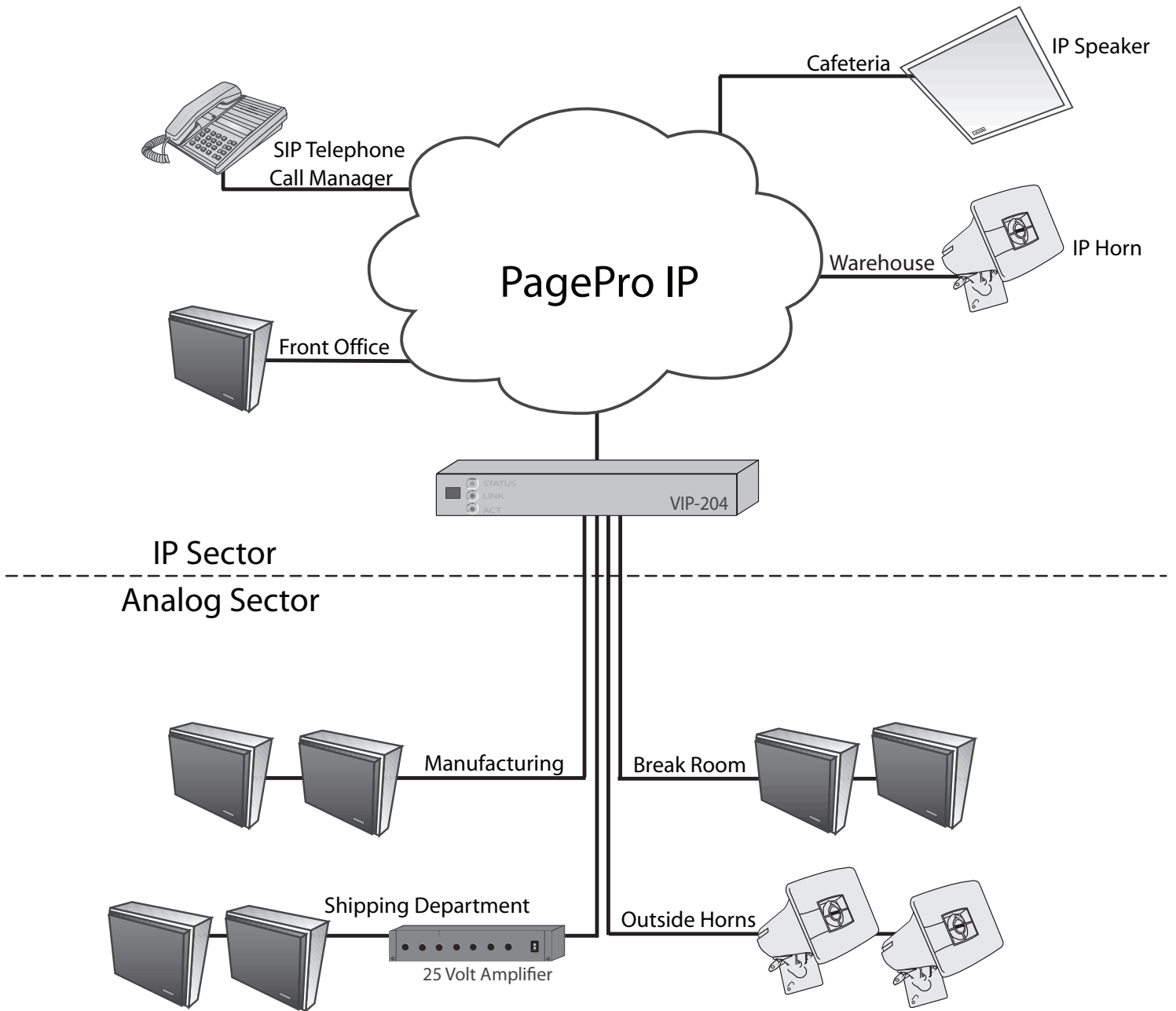
The PagePro IP Model VIP-201 provides Night Ring functionality on any of the 8 SIP identities. This feature generates a tone to any paging groups when the SIP identity is called.

## **Audio Supervision Features**

The PagePro IP Model VIP-204 provides internal monitoring of the audio path from the network connection to the analog output connectors and can report failures to an external device or syslog facility.

## **Legacy Applications**

The PagePro IP Model VIP-204 provides 4 analog outputs that can easily be conditioned to drive any existing overhead paging system. Legacy paging features can be seamlessly combined allowing powerful combinations of legacy analog and IP paging.



Valcom PagePro IP VIP-204 allows paging from any SIP compliant telephone to 8 SIP page destinations. The SIP page destinations can be any of the VIP-204's four analog outputs, any combination of those outputs, or any combination of page groups from other Valcom VIP units. The four analog outputs on the VIP-204 are line level -10dBm audio outputs. These outputs are designed to directly drive up to 40 Valcom self-amplified speakers. The outputs are also suitable for connection to an auxiliary input on a utility amplifier of a legacy paging system.

# PagePro IP™

## SIP Based Paging Server

### Model VIP-204

#### SPECIFICATIONS:

##### Physical

1U 19" Rack Mount

##### Power

External: 24 VDC @ 325 mA

POE: 802.3af, class 3

##### Networking

10/100 Mbps Ethernet port

Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup.

Time and date synchronization using NTP

##### Protocols

IETF SIP (RFC3261)

IETF IGMP version 3 (RFC3376)

IETF RTP (RFC1889)

IETF RFC2833

Digest Authentication

##### Audio Specifications

Local Music Source Input Impedance: 8 to 600 Ohms

Local Music Input Level: -10dBm nominal

Output Impedance: 50 Ohms

Output Level: - 10dBm nominal

##### Relay Specifications

Relay Current: 1 AMP @ 24VDC

##### Environment

Temperature: 0 to +40° C

Humidity: 0 to 85% non-precipitating

##### Feature Highlights

4 Audio Analog Outputs

4 Normally Open contact closures

8 SIP identities

Group multiple units for extended coverage

Programmable Feedback elimination

Night Ring