ECC

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CONNECT EVERYONE,
EVERYWHERE

VOCIA VOICE COMMUNICATION SYSTEM

Powerful. Scalable. Flexible.

Whether it's on a college campus, in a corporate office building, or at a bustling airport, keeping people informed is any facility manager's top priority. While you can't predict when critical communications need to happen, you can plan for them with Biamp's Vocia Voice Communication System. Much more than just a paging system, Vocia is the gold standard for superior reliability, unparalleled scalability, and exceptional audio quality. Equally adept at servicing a specific area, a single building, an entire campus, or a multi-location enterprise, Vocia can be configured to solve end-users' most critical voice communication needs.

MEET VOCIA

Vocia is a highly reliable solution that provides excellent audio quality while managing all your voice communication requirements. It is powerful, scalable, and flexible, and can meet the needs of your facility now and well into the future.

Vocia's clarity and intelligibility are just some of the features that make this platform so special. Vocia not only gets your message where it needs to go, but also ensures those messages are heard and understood. Vocia achieves the high standards modern paging demands, including simple overhead paging and advanced multi-facility communications. In addition, Vocia is interoperable with Biamp's Tesira®, Cambridge sound masking, and Community loudspeaker product families, providing significant cost savings.

Whether it's supporting general paging on a Texas amusement pier or alerting travelers to a platform change at the train station, Vocia technology is working hard behind the scenes. Vocia uses standard IP technologies such as VoIP, and integrates with existing IP networks for multi-site installations.

Since Vocia is an Ethernet-based platform, endpoints can be installed anywhere on the system, creating a self-monitoring web of "smart" devices. Vocia was designed to meet the exacting specifications and requirements demanded of professional-grade, multipurpose paging systems and provide a future-proof solution. Over the following pages we showcase some of the technologies that make Vocia unique.

BUILT-IN DIGITAL SIGNAL PROCESSING

Vocia operates using a decentralized network, which places digital signal processing (DSP) in all endpoints. Distributing the demand for DSP across the network allows Vocia to share resources between devices on an as-needed basis. With this decentralized approach, there is no single point of potential system failure. That means if one element is damaged or goes offline, the rest of the Vocia system will continue operating normally, allowing all messages to be delivered as intended.

Multipurpose paging systems you can trust.

AMBIENT NOISE COMPENSATION

Biamp has spent years developing acoustic echo cancellation technology in our audio products, applying this knowledge to Vocia's ambient noise compensation (ANC) technology – allowing the paging volume to adjust up or down based on real-time ambient noise levels. If an environment is noisy, the ANC-1 device will adjust the volume accordingly, ensuring the page can be heard over the din. ANC is also helpful in quiet environments such as hospitals. If patients are resting and the floor is quiet, then the overhead pages will not be harsh or jarring.

In addition, ANC technology is very effective in noisy rail stations, busy airports, or even office environments where noise levels vary between floors and departments.

SOFTWARE-BASED ZONES

Many facilities have their paging systems set up as one large zone covering the entire building. As a result, everyone hears every page, which can be disruptive and cause people to ignore them. As an alternative, Vocia offers software-based zoning, allowing facility operators to send targeted pages to those who need to hear them. With this tool, zones can be added or moved within the software as a facility's needs change, without costly rewiring.

COMPREHENSIVE SYSTEM MONITORING AND REPORTING

Vocia components can be monitored and controlled remotely, helping to identify when site visits are needed for ongoing maintenance. Vocia also interfaces with building systems such as fire panels, monitoring systems, transportation databases, and security systems. In addition, the Vocia system can send emails or other notifications to a facility's command center or to relevant individuals if evacuation messages are triggered. The Vocia platform includes several options for comprehensive system monitoring and reporting that can be customized based on a facility's needs.

Vocia's end-of-line devices test and report on speaker line integrity with Vocia amplifiers. This allows you to monitor and receive notifications if one or more loudspeakers are not receiving a signal from a Vocia amplifier. If an error is detected, it will be displayed in the Vocia software. This is particularly helpful for large facilities such as airports and rail stations, which tend to have numerous long speaker runs.

The MS-1e networked messaging processor supports many global paging functions in a Vocia system, including message playback, event scheduling, VoIP paging interface, email reporting, logging, and remote access. The MS-1e acts as a central repository for the system configuration in addition to the locally stored device files, and enables plug-and-play device configuration and replacement. The MS-1e uses Ethernet-based control protocols in conjunction with CobraNet® to function within a Vocia system. With the MS-1e, facility managers have access to several paging tools at the click of a mouse.

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Learn more at biamp.com/vocia

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