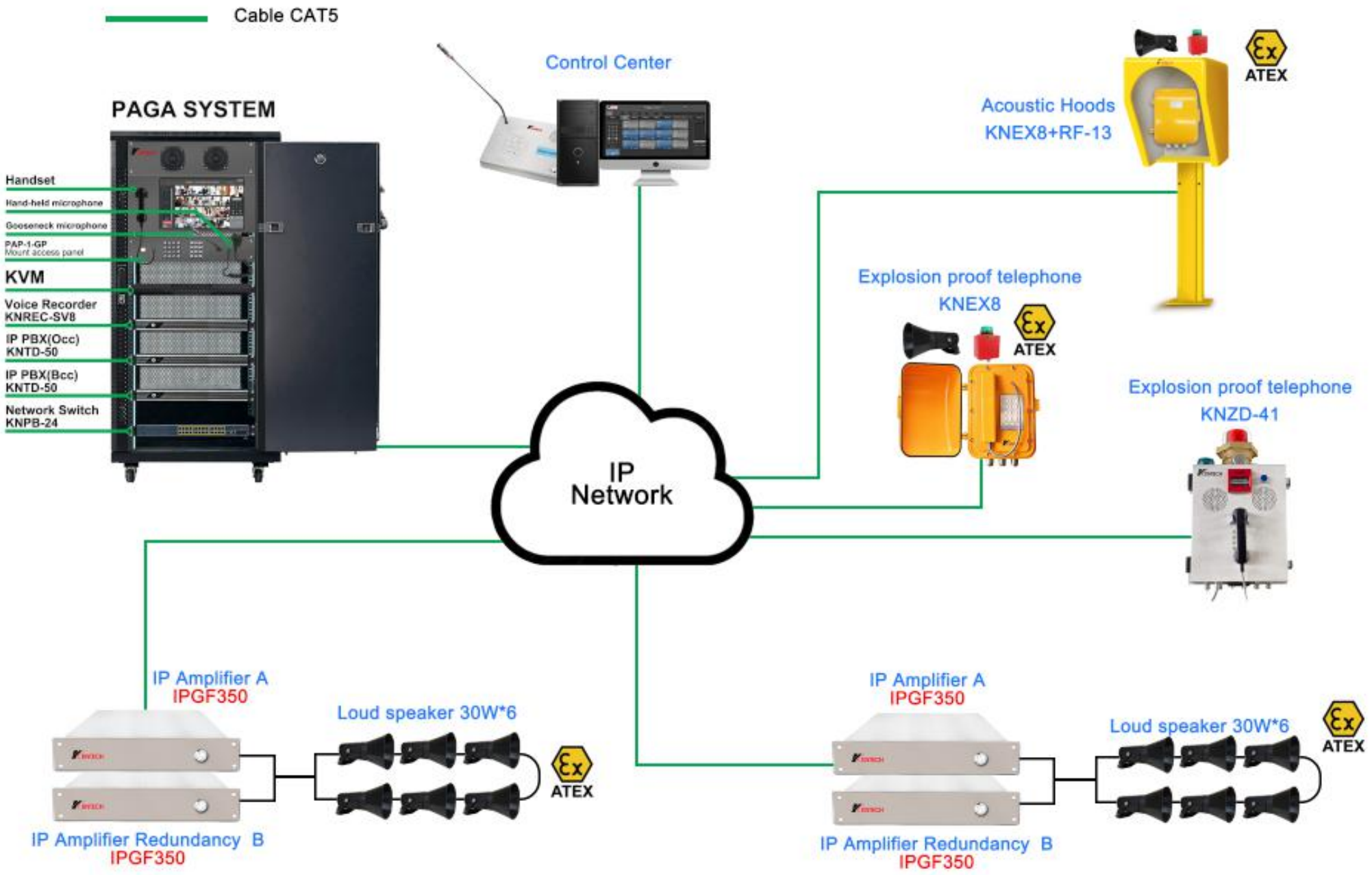
PAGA-G3


Cable CAT5
Control Center
PAGA SYSTEM
Handset
Hand-held microphone
Gooseneck microphone
PAP-1-GP
Mount access panel
KVM
Voice Recorder
KNREC-SV8
IP PBX(Occ)
KNTD-50
IP PBX(Bcc)
KNTD-50
Network Switch
KNPB-24
IP
Network
Acoustic Hoods
KNEX8+RF-13
ATEX
Explosion proof telephone
KNEX8
ATEX
Explosion proof telephone
KNZD-41
IP Amplifier A
IPGF350
Loud speaker 30W*6
ATEX
IP Amplifier Redundancy B
IPGF350
IP Amplifier A
IPGF350
Loud speaker 30W*6
ATEX
IP Amplifier Redundancy B
IPGF350

1. PAGA-G3 System Description

KNTECH PAGA-G3 system is based on the network transmission SIP2.0 technology, KNTECH second-generation PAGA-G3 integrates IPPBX communication, paging, broadcasting, self-test, alarm, log, recording, and recording file management functions. The function of the system is that all components have a self-diagnostic function, real-time monitoring of the health status of the entire system, real-time grasp of the health status of various parts of the phone terminal such as the handset keys, and real-time monitoring of the health status of the speakers in each area. Great savings in maintenance costs. The second-generation PAGA adds a more intelligent IP broadcast capability. IP amplifiers in each region can configure web pages and update broadcast files. Manual broadcasting, timed broadcasting, external PLC system can trigger various intelligent broadcasting through private protocol, MODELBUS or I / O hard control. It can be configured to perform group broadcast and sub-area broadcast on the IP amplifier through remote online configuration on the webpage, and the operation is convenient.

This system has flexible multi-level Authority management, and users can configure the use Authority of users at all levels according to the needs of the project. Privileges include dialing outside and outside calls, forcible dismantling, forced insertion, call queue, agent call transfer, partition group broadcast, log viewing, recording site selection and download of recording files, etc.

The system is safe and reliable. The PAGA-G3 host IP PBX is a redundant backup system. The OCC host and the BCC backup device actually synchronize all call and recording records. Real-time heartbeat detection and automatic docking of each terminal and IP power amplifier with IP PBX system. The IP amplifier is also redundant. Even in the case of network disconnection, the local PTT handheld microphone of the IP amplifier can be used to perform artificial broadcasting and speaking in this area.

2、PAGA-G3 system's composition

PAGA-G3 includes three parts:

(1) The PAGA host, including the main controller IP PBX work as OCC. IP PBX BCC work as standby main controller. Audio recorder to record all the Audio broadcast and call records. KVM for configuration.

(2) PAGA operating station, including PC with web-page online software commend and broadcast and monitoring.

(3) Zone Terminal equipment, including IP amplifier and speakers, sound and light alarm device, emergency waterproof /explosion-proof telephone and so on.

3. The function of PAGA-G3 system

(1) Public Address, also namely the function of PA

The main functions are Public Address and voice broadcast. It is the highest use frequency on function of this system. Staff through control center or any telephone station and IP amplifier input port, and the voice information will be broadcast through a speaker to achieves the public address. The system make the people who are usually from place to place can hear the broadcast in daily operation. Broadcasting system can also have the function of distinguish different region.

(2) General Alarm function, also namely the function of the GA

This function is mainly for playing regular alarm messages. When an emergency occurs in the area, the employee can trigger the corresponding alarm device linkage system to broadcast an alarm to enable the employee to perform related emergency operations. The PAGA system IP PBX server stores

more than 30 kinds of alarm audio. At the same time, it provides multiple interfaces for other systems for alarm activation / alarm termination. At the same time, different alarm activations (eg fire alarm, gas alarm, abandon alarm) and alarm end function can be programmed for the buttons of each control station. The GA function of the system is as follows:

--Alarm sound can be started / stopped from the central control center dispatching console or each I / O interface

--Editable alarm tone stored in IP PBX server

--Each sub-control station can alarm the local area through the IP sound amplifier I / O of this station.

(3) Phone functions, also namely the function of IP PBX

The powerful PAGA-G3 system includes IP PBX system telephone scheduling and conference functions. Including emergency call, emergency intercom, if equipped with video phone can realize video intercom and dispatching functions. In daily work, if you need to communicate with other staff members or encounter an emergency, you can use emergency conversations, including one-click triggering full calls to all sites, one-to-one single calls, partition or group call functions. Control center personnel can forcibly remove calls from extensions and forcibly insert calls between extensions when the permission is enabled. The system has universal IP PBX functions including: call queue, agent transfer, call transfer transfer, call record query, monitoring, Recording, etc.

(4). Remote IP Amplifier

Remote IP amplifier directly managed and controlled by PAGA-G3 system manager.

Each area is equipped with an IP amplifier. The amplifier is configured and managed remotely by the central dispatcher's direct web interface. It also has a handheld microphone PTT interface, which can broadcast when the network fails. Trigger local broadcasts and alarms through I / O inputs and outputs。

(5) Line powered Speaker with self-diagnosis

Each zone with IP amplifier directly connect the speakers. All speaker circuit/amplifier fault or operating status data can be monitored and displayed by the PAGA-G3 system manager over network. Each speaker have independent address code. Day and night self-diagnosis and real-time fault reporting functions.

(6) Voice recording

The recording storage server SV8 is a LINUX-based server with a webpage operation management interface. You can log in to the webpage interface through the webpage user name and password to record and store all call and broadcast records in the system in real time. You can directly perform the recording file on the webpage interface. Play, query, batch management and batch download. The SV8 recording server has self-space management and system diagnostics and alarm functions.