

✈ Airport Applications

✈ *Displays Dynamic
Airline Information*

✈ *Security
Checkpoint
Communication*

✈ *Word-For-Word
Announcement
Synchronization*

✈ *Large Plasma
Display Screens*

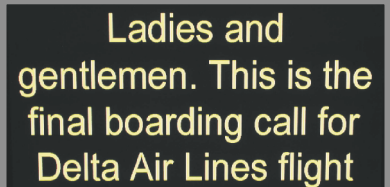
✈ *Network-
Controlled*

✈ *Interfaces with
IED's 500ACS[®]*

The Visual Information System (VIS) from IED is a complete system of computer-controlled displays and networked software that works in conjunction with IED's 500ACS Announcement Control System[®].

The IED 500VIS Visual Information System is the way to display dynamic airline information, airport information, courtesy announcements, and ADA-compliant visual paging. Since it is linked to the IED 500ACS Voice Announcement System, the 500VIS displays visual message text synchronized word for word with the voice announcements distributed through the 500ACS.

Visual Paging Displays (VPDs) – Visual Paging Displays can be located anywhere in the airport. The VPDs provide visual message text, consistent with ADA regulations, for all announcement and message types from the IED 500ACS. In addition, these displays can show advertising and revenue-generating digital media.



The displays can show these and other types of visual pages

- Security Checkpoint Instructions
- Terminal Wide Informational Messages
- Courtesy Announcements
- Final Call Messages
- Emergency Messages
- Advertisement Media
- Public Service Messages



Gate Information Displays (GIDs) – Gate Information Displays are located behind the gate ticket counter and anywhere in the gate / hold room areas. The GIDs provide not only visual paging, but also Gate, Airline, and Flight Status Information.



The displays can show:

- Gate Status Graphical Display
- Flight Status Graphical Display
- Airline Information
- Boarding Process Status
- Boarding by Row Number
- Destination City Weather Maps

It also provides these types of visual pages:

- Departure Messages (Preboarding, General Boarding, Final Call, etc.)
- Arrival Messages (Scheduled Arrival, Connecting Flights, etc.)
- Gate Change and Delay Messages
- Emergency Messages

Each display in the 500VIS is a processor-controlled device connected to the central controller over a 100Mbps Ethernet network. The display content is managed at each individual display, but the content itself is updated continuously from the central controller. The networked 500VIS is linked to other airport information systems including the voice announcement system (IED 500ACS), FIDS, BIDS, and AODB, or the airport's central database.

The components of the IED 500VIS include:

IED 542VID-1 Visual Information Display – The 542VID-1 contains a 42 inch plasma display with an embedded processor. This networked device includes the following features:

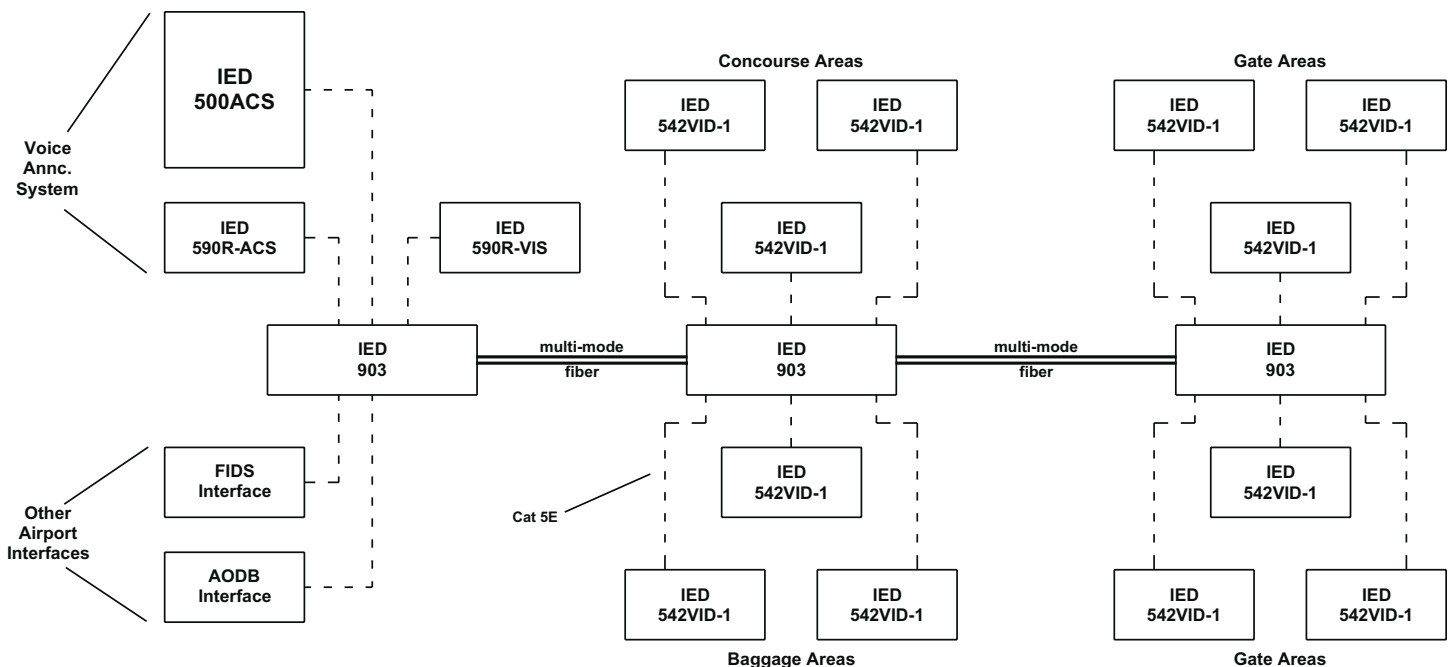
- 42 inch plasma display
- 16:9 aspect ratio
- Polarized anti-glare screen
- Very wide 160° viewing angle
- “Long-Life” modes to reduce image burn-in
- Built-in video wall capabilities with 2 or 4 displays
- Integrated Intel CPU and 100baseT controller
- Each display is individually addressable by zone or zone group, through the IED 500ACS and 500VIS software

The VID is also available in a 50-inch version, 550VID-1.

IED 590R-VIS Visual Information System Controller – The 590R-VIS is the rackmount computer system that serves as the central controller for the 500VIS. The 590R-VIS controls the information updates distributed to each 542VID-1 Visual Information Display over the Ethernet network. This central controller also manages the interface to the other airport information systems, including the voice announcement system (IED 500ACS), FIDS, BIDS, and AODB, or the airport's central database.

IED 903 100baseT Ethernet Switch – The 903 provides the Ethernet switching at each hub-room distribution location. Each 903 includes:

- Two 100-base fiber ports
- 22 100baseT ports for connection to IED 542VID-1 Displays



Typical 500VIS Visual Information System Block Diagram

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