

676 PRIZM DDC Visual Information System

Description

PRIZM DDC is a component of the PRIZM MUFIDS system. It consists of Windows software loaded onto a Display Driver Computer (DDC) for the purposes of managing and displaying content on the attached display(s). Depending on the capabilities of the DDC hardware, PRIZM DDC may drive up to two separate displays from a single computer. The types of content include FIDS (Flight Information Displays), GIDS (Gate Information Displays), BIDS (Baggage Information Displays), Bulletin Board Displays, advertising content, visual messaging and screen savers.

The PRIZM DDC allows for interruption of ongoing content to display paging announcement text in sync with public address system audio. This synchronization is compliant with US Americans with Disabilities Act (ADA) requirements. After the paging text is complete, the PRIZM DDC resumes the content assigned to the display(s).

Features

Features of PRIZM DDC include the following:

- Displays different content in one or more panels on one or more displays driven from the same computer.
- Monitors content provided by PRIZM Gen for changes and updates displayed pages within four seconds of a change.
- Smartly updates page content, so the screen will not do a complete page refresh (flash) when only some content is updated. For example, a status change on one flight on a FIDS display will not do a complete page refresh, but only update the affected line.
- Can render all standard content file formats used in web pages, ranging from static file formats like bitmaps (.bmp or .png) and JPEG to animation and movie formats like Flash, AVI, WMV, etc.
- Synchronizes its advertising play list from PRIZM Scheduler. The play list is the sequence of content to play in a round-robin fashion, with durations of each played item identified.
- Downloads needed advertising content to its local hard drive storage in the background to minimize network bandwidth demands for playing advertisements. This is particularly beneficial for animations and fullmotion video.
- Tracks the number of plays of advertising content for reporting back to the billing module within PRIZM Scheduler.

- Automatically switches between flight display and advertisements depending on whether flights are available for that display (e.g., on a gate display in between flights)
- Communicates with IED's Fault Logger so that the logger can monitor the status of the DDC computers and the network connections to them.
- Pre-empt background content to display paging announcement text (full screen). This text display is done using smooth variable-rate scrolling from bottom to top, with the timing of the scrolling done in such a way that the audio and text are synchronized, in full compliance with ADA requirements.

Optionally, PRIZM DDC may be configured to use the computer's serial port to interface with hardware commonly referred to as gate input devices or tugman devices (i.e., simple keypad entry devices).

It is also possible to provide PRIZM DDC enabled to only display paging announcement text over top of display content/rendering provided by third parties (the last bullet in the feature list). When not displaying paging text, PRIZM DDC is invisible so the other content may occupy the screen(s).

System Requirements

PRIZM DDC requires a computer running Microsoft Windows XP (embedded or desktop editions), with sufficient RAM and powerful enough graphics card(s) to handle the graphic updates without hiccups or stutters. As these offerings are constantly changing, consult IED Sales or Application Engineers for recommendations to order compatible machines.

For most applications, PRIZM DDC requires access to a server loaded with the PRIZM Core. If advertising content is desired, the PRIZM Scheduler module is required.

Please pick up a white courtesy phone and dial 0 for a message.

Paging Announcement Text



Gate Display



Courtesy Announcement Messages			
Time	Name	Message	
Final Call	AA 4287	Please proceed to gate C4 immediately.	
11:09 AM		Item Left At Security: a purse	
11:09 AM		Item Left At Security: a wallet	
11:09 AM	Kevin Martin	Pickup A White Courtesy Phone and Dial 0	
11:05 AM	Ray Allen	Pickup A White Courtesy Phone and Dial 0	
11:05 AM	Chris Owens	Pickup A White Courtesy Phone and Dial 0	
11:05 AM	Jill Mullaney	Pickup A White Courtesy Phone and Dial 0	
11:04 AM	Sue Miller	Meet Your Party: at the information desk.	
11:00 AM	Jeff Clark	Meet Your Party: at lower curbside	
10:41 AM	John Johnson	Pickup A White Courtesy Phone and Dial 0	
10:41 AM	Mark Lewellyn	Pickup A White Courtesy Phone and Dial 0	
10:41 AM		Item Left At Security: a laptop computer	
10:40 AM	Julio Martinez	Meet Your Party: at Baggage Claim C	
10:36 AM	Steve Young	Meet Your Party: at the information desk.	
10:32 AM	Hardy Martin	Pickup A White Courtesy Phone and Dial 0	
10:25 AM		Item Left At Security: a cell phone	
Dec 05, 20	08		11:13 AN

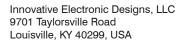
Bulletin Board Display

Single Arrivals Display





Split Arrivals/Departures Display



+1.502.267.7436 phone +1.502.267.9070 fax www.iedaudio.com

