

UBIDUS
BUILDING THE FUTURE

DBK

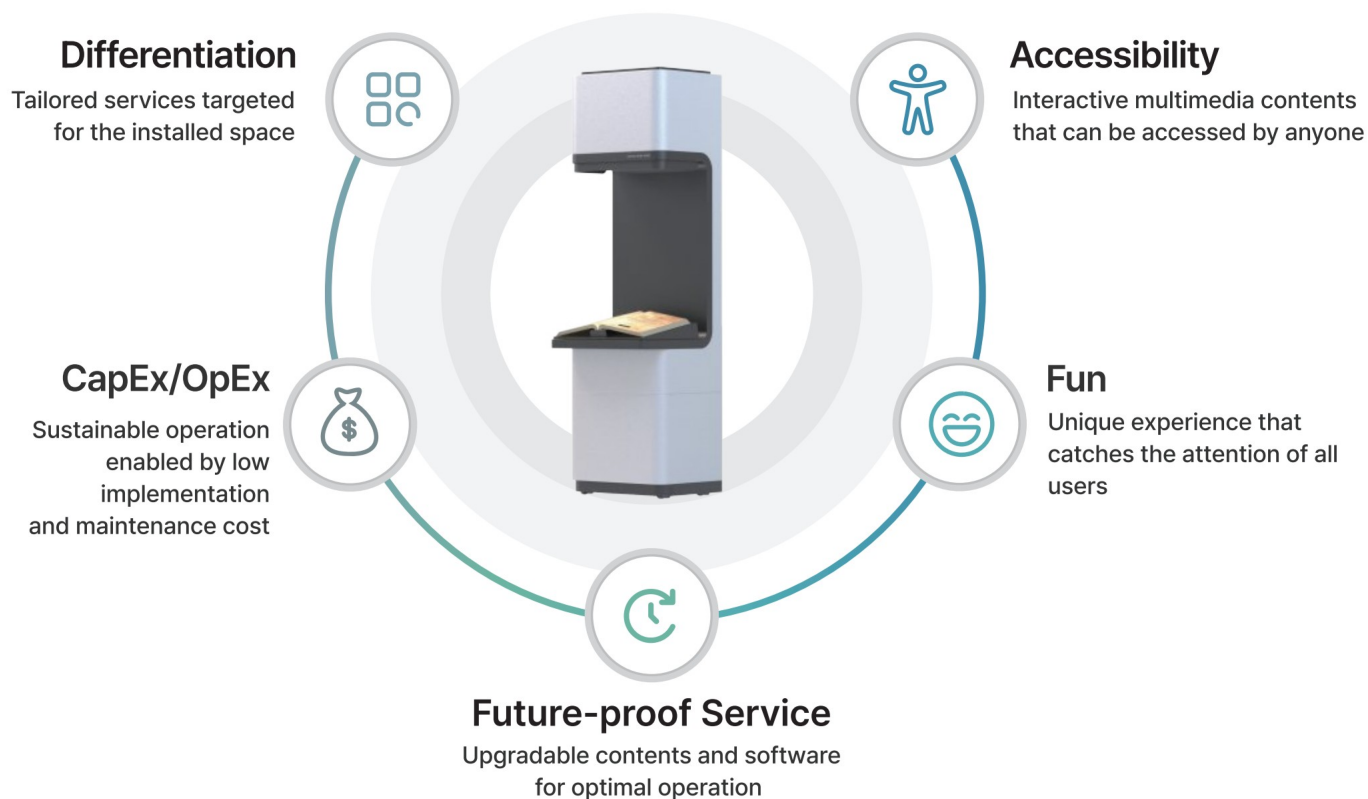
DIGITAL BOOK KIOSK



01 DBK Overview

• Digital Book Kiosk

The Digital Book Kiosk (DBK) provides interactive digital multimedia contents through analogue sentiments of a physical book



Digital technology surrounds us

We live in an era of digital information -
People are surrounded by digital displays in their daily lives.

- The sense of touching, smelling, and turning a page of a book brings forth nostalgia to people who are surrounded by digital information display.
- We created a media that encapsulates the analogue experience aspects of reading a book with rich multimedia interaction.
- DBK captures the best of interactive digital multimedia contents and physical experience



02 DBK Functions

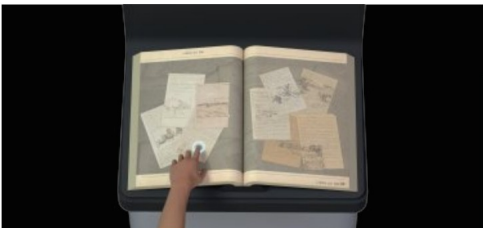
- Features

Digital Book Kiosk ensures stable operation while providing users with experiences never seen before.



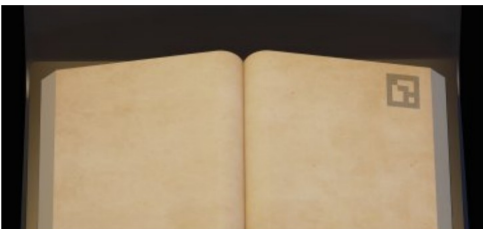
Projection Mapping

Multimedia contents (Images, video, text animations and more) are projected to the blank pages of the DBK, making it possible to create a visual impact that resembles a page of a real physical book.



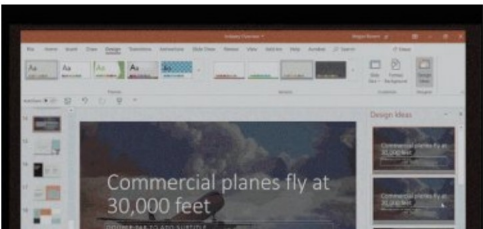
Touch Screen

Contents of the DBK can be interacted by touching the page of the DBK. Users can experience interaction with paper like no other media. Contents can be touched, swiped, or pinched, conforming to the conventional method of a touch screen.



Page Recognition

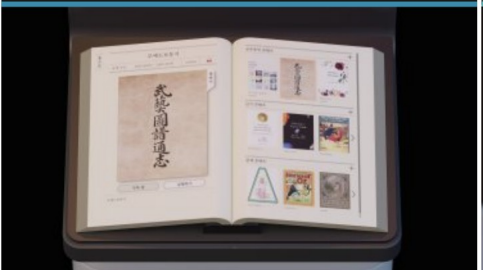
Contents on the DBK can be navigated by physically 'Turning a page'. Each page of the DBK is associated to a specific content, making the DBK act like a real physical book. IR markers invisible to the human eye are used to identify each page.



Contents Support

Contents for the DBK can be custom made using Unity. However, files made using Microsoft Powerpoint can be used to create interactive contents. PDF format is also supported. Creating or updating DBK contents can be done economically by utilizing these general file formats.

Sustainable Contents



Expansionability

DBK contents made using PDF or PPT can be uploaded to the device using a USB drive. Interactive contents can be generated using the animation effect of Powerpoint, making it possible to create new contents economically and enable the sustainable service of DBK.

Movable Device



Mobility

DBK has a built-in wheel unit, making it possible to be located wherever the user wishes to install. Once the power is supplied, no additional wiring is required to operate the DBK. Optional UPS (Universal Power Supply) modules enable the DBK to be operational for 3 hours even with no power supply.



Simple Installation



Modularity

DBK can be installed with ease. No additional interior finishing is needed, since the DBK unit is self sufficient as a stand-alone unit. All hardware and software components are enclosed within the housing unit. The award-winning design of the DBK makes it possible for a seamless installation with its surroundings.

• DBK Lineup & Option

	4K DBK (DBK-002)	Ceiling Type DBK (DBK-003)
		
Major Functions	<ul style="list-style-type: none">• 13 analogue book pages supporting projection mapping• Interactive multimedia contents utilizing capacitate touch screen• Contents selection using mini-books• Support DBS(Digital Book Store) for contents updates• PDF/PPT file upload via USB port• On-line update of DBK operator software• Interactive contents creation course integrated with DBC(Digital Book Classroom) program	
Resolution	UHD 5,000ANSI Laser Projector	
Form	Stand Alone Type	Ceiling Type

• Digital Book Kiosk

Users can select specific contents from the bookshelf



- 1 Display Mini Books**
Miniature books of DBK contents are displayed on the bookshelf
- 2 Select Mini Books**
Users can select a miniature book from the bookshelf
- 3 Locate Mini Book**
When the users locate the selected Mini book onto the cradle, the content of the book is projected on to the DBK
- 4 View Contents**
Users can turn the page of the DBK, and perform interaction by touching the book
- 5 Master Key**
Contents of the DBK can be browsed by locating the master key to the cradle