NEW

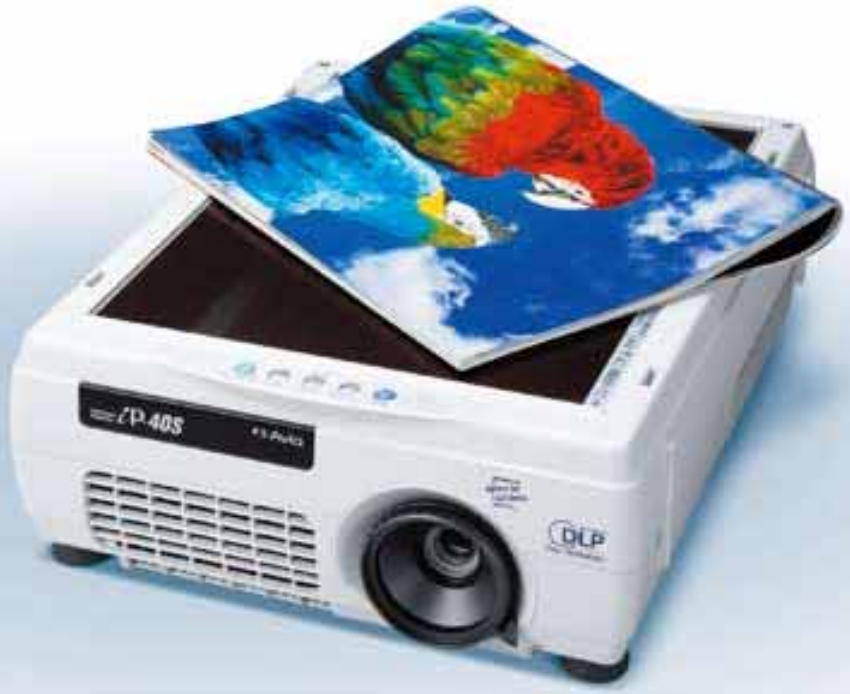
A projector with a built-in 4.13 million pixel document camera. 2500lm

Intelligent Projector

iP-40SE·40BE

Avio

Advanced presentation by SD card slot and evolving color reproduction.



DLP TEXAS INSTRUMENTS

NIPPON AVIONICS CO.,LTD.

Realize a PC less presentation.

NEW SD card slot is equipped.

Because of the SD card slot equipped, the projector became even more convenient and handy. By storing the data in the SD card and inserting that SD card into the slot, a presentation can be started without having a PC. You are relieved from carrying a heavy laptop PC or from troublesome setting of the equipment.

* In order to reproduce PC data in the SD card, the data need to be stored in the projector in advance by a software called iP Viewer, pre-installed in iP-40SE, or by the special conversion software. The conversion software can be downloaded from our website.

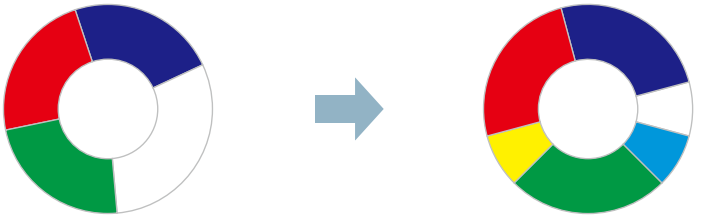
Built-in high definition 4.13 million pixel document camera

By simply placing a document or a solid object on the glass surface of iP-40SE, clear image can be projected onto a screen. Even small letters of a magazine or a newspaper can be projected crisp and clear. Because a document or a solid object can be projected by simply placing them on the projector, operation can be easily made without a PC. Furthermore, images captured by the document camera can be stored in a SD card. It is convenient for reproducing by iP-40SE in repetition or for capturing the images into a PC.

NEW Highest color reproducibility.

BrilliantColor™ is a new technology to realize wider range of color reproducibility and to improve half tone brightness by employing a new color processing algorithm and six-color color wheel, red, blue, green, yellow, cyan and white. Comparing to the conventional technology, BrilliantColor™ improves the brightness of half tone, and considerably expands the range of color reproducibility. Furthermore, our unique lamp output control helps to realize even better color reproducibility.

Without BrilliantColor™ | With BrilliantColor™



Conventional color wheel (4-color processing) | IP-40 color wheel (6-color processing)

Equipped SD card function

BrilliantColor™ technology

Optics by Carl Zeiss

iP-40SE

DLP projector with highest color image quality as well as color reproduction. Realize a PC less presentation.

Major features of **iP-40SE** SD

- Built-in 4.13 million pixel document camera
- 2,500 lm
- True XGA compatibility (displayed resolution: VGA~SXGA)
- SD card slot
- Scanner function
- Whiteboard function
- Data saving function

iP-40SE answers needs for all kind of customers at various scenes.

At businesses.

In meetings and discussions, important conversation with your customer can be carried out smoothly without stress because of easy operation.

That's why iP-40SE is convenient

Document or solid object can be projected as is.

Simply place an object that you want to project.
Easy operation even for someone who can not operate PC.

Projection of a PC screen or a video.

Any PC can be connected regardless of the manufacturer or OS as long as the RGB output terminal is provided.

Easy presentation can be realized without having a PC.

If a PC data is saved in a SD card in advance, the data can be reproduced by the projector even without having a PC.

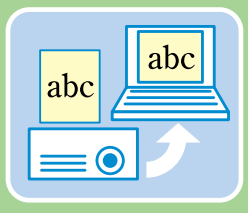
At school and training room.

Because the text book or the notebook
can be projected onto a large screen as is,
a class can be given efficiently.

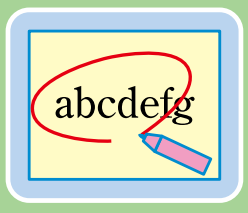
More convenient features by combining with a PC!

Various PC linked functions

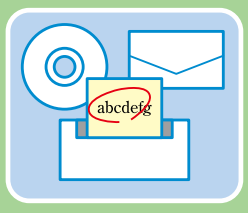
The system will boot up automatically by simply connecting the PC and iP-40SE using a USB cable. A software called “iP Viewer”, which enables capturing of document camera images into the PC or writing them into presentation images, is built-in and therefore no need to install.



Scanner function



Whiteboard function



Data saving function

Easy to use, convenient and rich basic functions

Built-in memory function

Projected images are stored in the internal memory of the projector as a history. (Approximately 50 images.) Stored image can be selected from the thumb nail screen for display again.

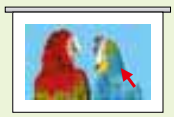
Image rotation function

When the document camera is used, the orientation of the displayed image can be rotated clockwise 90°, 180°, 270°, and 360° in that sequence. Furthermore, the displayed image size is automatically adjusted so that the image will always fill the screen on both sides.

Zoom and scroll function

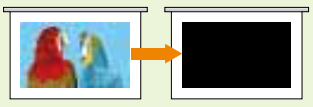
Zooming can be made up to the area ratio of 25 times when using the document camera, 16 times when projecting the PC images and 6.25 times when projecting video images. And the enlarged images can be scrolled.

Pointer function



A pointer can be displayed on the projected screen. The type of pointer can be changed, too.

Image erasing function



Projection can be temporarily stopped without turning off the lamp.

Still image function

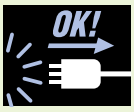
Images from the PC (or video) can be made still.

Auto keystone correction function

Trapezoidal deformation of image due to projection angle can be automatically corrected. (Vertically ±15°)

Blackboard function

It is equipped with a mode which optimizes the color reproducibility of an image when the image is projected



Direct power off

The cooling fan will continue to run even after turning the power of the projector off and disconnecting the power cable. You can start packing up the equipment immediately after concluding the meeting or the presentation. (Put the projector in the container after the cooling fan has stopped.)

iP-40BE
2,500lm

Basic model of easy-to-use and simple operation

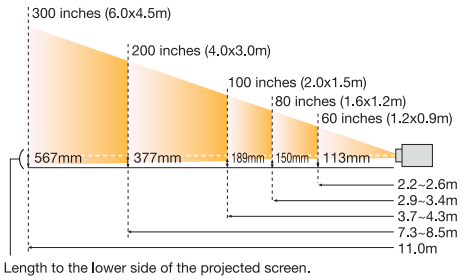
- Built-in 4.13 million pixel document camera
- 2,500 lm
- True XGA compatibility
  (displayed resolution: VGA~SXGA)

Specifications

Model Name		iP-40SE	iP-40BE
Type		1chip DLP® color wheel color separation method	
Main Part Specification	Size	0.7 inches DLP® Panel, Aspect Ratio 4:3	
	Number of Pixels	786,432 pixels (1,024 x 768 dots)	
Projection Lens		Manual Zoom: 1 to 1.16x	
Optical Source		200W Super High-pressure Mercury Lamp	
Screen Size		33-300 inches diagonal	
Projection Distance		1.3 to 11.0 m	
Color Reproducibility		Full color (16,770,000 colors)	
Brightness		2,500 ANSI lumens	
Contrast Ratio		1,500:1	
Scan Frequency		Horizontal 24.8 to 68.7 kHz, Vertical 50 to 85 Hz	
Resolution (At RGB signal input)		Native: 1,024X768 dots (Maximum: Compressed display of 1,280 x 1,024 dots is possible)	
OHP Input/Output	Scanner	4.13 Mega-pixels color CCD camera	
	Total number of pixels	2,384 x 1,734 dots	
	Number of effective pixels	2,272 x 1,704 dots	
	Max Scanning Size	288 mm x 216 mm (11.3 in x 8.5 in)	
	Reading speed	3 frames/second	
	Scanner Output	Exif JPEG (2,272 x 1,704 dots)	—
	System Requirements	OS Compatibility: Windows® XP English Ver., Windows Vista® English Ver. (64-bit version excluded) USB Interface:USB2.0 CPU: Celeron 800MHz or greater (CPU recommended for Windows Vista®) Memory: Windows® XP: 256MB or greater, Windows Vista® : 1G or greater Display resolution: XGA (1024 x 768) or more HD empty space: 500MB or more recommended. (drive capacity of the temporary folder)	—
Input terminal (image)	PC Input	15 pin Mini D-sub 1 ch	
	Video Input	RCA Pin Jack 1 ch NTSC/PAL/SECAM/PAL-N/PAL-M/NTSC4.43 Compatible to D1, D2, D3 and D4 images(*1)	
Audio Input	PC Input	Stereo Mini Jack 1 ch	
	Video Input	RCA Pin Jack 1 ch	
Audio Output		2 W monaural	
USB Connector(*2)		1 system USB connector (Mini B type), USB2.0	—
Memory interface(*3)		SD memory card /slot (format: FAT16)	—
Keystone Correction		Vertically ±15° (auto adjustable)	
Operating Range of Temperature and Humidity		Temperature: 0 to 35°C (32 to 95° F), humidity: 20 to 80% (no condensation)	
Power Source		100-120/220-240VAC , 50/60 Hz	
Power Consumption		310W (100-120VAC), 300W (220-240VAC)	
Input Current		3.1A (100-120VAC), 1.6A (220-240VAC)	
External Dimensions (mm/in)		290 (W) x 360(D) x 123(H) /11.4(W) x 14.2(D) x 4.8(H) (not including protrusions, Including the cover)	
Weight		5.0 kg (approx. 11.0 lbs.)	
Accessories		Power Cord (3 m/3.3 yd), RGB + USB cable (2m, mini D-SUB 15 pins + USB), Remote Controller, User's Manual, Battery (Coin-type lithium battery:CR2025), SD memory card, Lens cap, iP Viewer Software Quick Reference	Power Cord (3 m/3.3 yd), RGB cable (2m, mini D-SUB 15 pins), Remote Controller, User's Manual, Battery (Coin-type lithium battery:CR2025), Lens cap
Regulation		Meets FCC Class A requirements Meets EMC Directive (EN55022, EN55024, EN61000-3-2, EN61000-3-3) CE	
Options		D terminal/RGB conversion cable (model name IPC-D/VGA)	
Lamp Kit		IPLK-G1	

*1 D terminal/RGB conversion cable is required for input of D1~D4 images.
*2 USB connectors are not guaranteed to work with all personal computers. For connecting to the USB terminal, connect either directly to the PC or to the self powered hub.
*3 Avio SD memory card is guaranteed to operate. The other SD memory cards are not guaranteed to operate. Before initializing (formatting) the SD memory card, be sure to turn off the power. The SD memory card initialized with the other units may not be usable. When a great number of images have been stored, the saving/playback speed may become slower. The SDHC standard SD memory card and high-speed 3D memory card (Class 6) are not supported.

Projection Distance



Length to the lower side of the projected screen.

ISO14001 JQA-EM0156
ISO 9001 JQA-1361

RoHS Compliant

⚠ Caution

- A DC type Super High pressure lamp is used in this projector and it is rare for the lamp to explode during use. The unit is also designed to forcibly turn off the lamp because there is a high possibility that the lamp will break if it is used beyond the limit of lamp usage time.
- Light polarizing elements such as the light source lamp and other optical components are parts that have a service life. When used for a long time, repair and replacement will be necessary.
- BrilliantColor and DLP are trademarks or registered trademarks of Texas Instruments.
- Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- The use of "Optics by Carl Zeiss" logo is licensed by Carl Zeiss.
- The SD logo is a registered trademark.
- Company names and commodity names are trade names or registered trade marks of each company.
- Specifications and designs are subject to change without prior notice in order to improve the product.

URL http://www.avio.co.jp/

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