## SPECIFICATIONS

| Model Name | | | iP-60E |
|---|---|---|---|
| Type | | | 3 primary Color LCD Shutter Projection Type |
| Main Part Specification | LCD Panel | Size | 1.0 inches X 3 Panels, Aspect Ratio 4:3 |
| | | Drive System | Poly Silicon TFT Active Matrix with Micro Lens Array |
| | | Number of Pixels | 786,432 pixels (1,024 X 768 dots) X 3 |
| | | Arrangement | Stripe |
| | Projection Lens | | Manual Zoom: 1 to 1.25x |
| | Optical Source | | 270W Super High-pressure Mercury Lamp |
| Image Size | | Screen Size | 32-300 inches diagonal |
| | | Projection Distance | 1.4 to 13.9 m |
| Color Reproducibility | | | Full color (16,770,000 colors) |
| Brightness | | | 3,500 ANSI lumens |
| Scan Frequency | | | Horizontal 21 to 80 kHz, Vertical 50 to 85 Hz |
| Maximum Resolution (At RGB signal input) | | | 1,024 X 768 dots (Compressed display of 1,600 X 1,200 dots is possible.) |
| Keystone Correction | | | Adjustable holizontal ± 10°, vertical ± 15° |
| OHP Input/Output | | Scanner/Camera | 4,130,000 pixels color CCD camera |
| | | Total pixels | 2,384 X 1,734 pixels |
| | | Effective Pixels | 2,016 X 1,512 pixels |
| | | Max Scanning Size | 288 X 216 mm (11.3 X 8.5 in) |
| | | Scanner Output | Exif JPEG (1,600 X 1,200 dots) |
| | | System Requirements | OS Compatibility: Windows® 2000 Professional English Ver. (SP3 or higher), Windows® XP English Ver. Windows® Vista English Ver., USB Interface: USB 1.1 or higher |
| iP Viewer Functions | | | Scanner, White board, Print Screen, Zoom, Rotation, Thumbnail display, Pen tool, Data saving |
| PC Input/Output | Analog RGB Input | Terminal Panel | 15 pin Mini D-sub 2 ch |
| | Monitor Output | Output Terminal | 15 pin Mini D-sub 1 ch |
| Video Input | | Signal system | NTSC/PAL/SECAM/PAL-N/PAL-M/NTSC4.43 |
| | | Input Terminal | RCA Pin Jack 1 ch, S-Video (Mini DIN4-pin) 1ch |
| Audio Input/Output | PC Input | Input Terminal | Stereo Mini Jack 2 ch |
| | Video Input | Input Terminal | RCA Pin Jack 1 ch |
| | Monitor Output | Output Terminal | Stereo Mini Jack 1 ch |
| Audio Output | | | 1 W X 2 stereo |
| USB Connector* | | | USB connector (Mini B type) 1ch |
| 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 | | | 410W (100-120VAC), 390W (220-240VAC) |
| Input Current | | | 4.7A (100-120VAC), 2.4A (220-240VAC) |
| External Dimensions | | | 400 (W) X 315 (D) X 145 (H) mm /15.7 (W) X 12.4 (D) X 5.7 (H) in (not including protrusions, Including the cover) |
| Weight | | | 7.3 kg (approx. 16.1 lbs.) |
| Accessories | | | Power Cord (3 m), Remote Control, User's Manual, Battery (AA X 2), PC cable, Lens cap |
| Lamp Kit | | | MPLK-D2 |

* USB connectors are not guaranteed to work with all personal computers.

### ⚠Caution

- LCD panels are inherently susceptible to pixel defects.
- 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 the liquid crystal panel are parts that have a limited service life. When used for a long time, repair and replacement will be necessary.
- Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Company names and commodity names are trade names, trade marks or registered trade marks of each company.
- Specifications and designs are subject to change without prior notice in order to improve the product.

3LCD iP Series intelligent projector employs a 3LCD system.

ISO 14001 JQA-EM0156 YOKOHAMA PLANT SAGAMI PLANT

ISO 9001 JQA-1361

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


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iP Series Intelligent Projector

Avio

# iP-60E

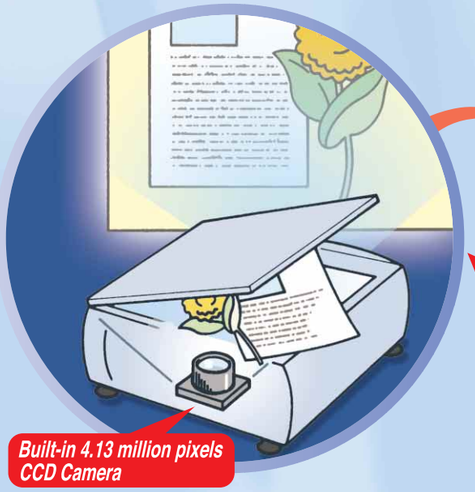
**3,500 ANSI lumens / 4.13M pixels built-in Color CCD Camera / USB I/F**

Deliver more intelligent presentations

NIPPON AVIONICS CO.,LTD.

## Easy, clear projection of objects and documents

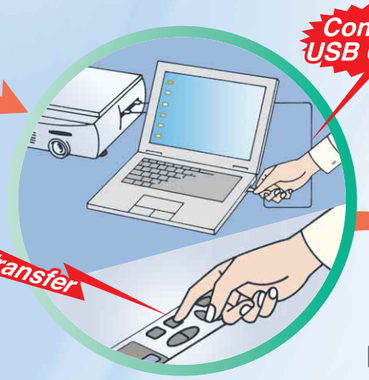
It has a built-in high resolution document camera of 4.13 million pixels.




- An image of a document or a solid object can be projected onto the screen by simply placing them on the glass window of the unit.
- It enables an easy and effective presentation even without having a PC.
- Up to 32 images can be temporarily stored in its internal memory.

## Easy transferring of images to PC

Images stored in its internal memory can be transferred to a PC via USB connection.




- No software installation procedure required.
- iP Viewer software will automatically boot up by simply connecting the cable.
- An image from the document camera can be transferred by a simple button action.

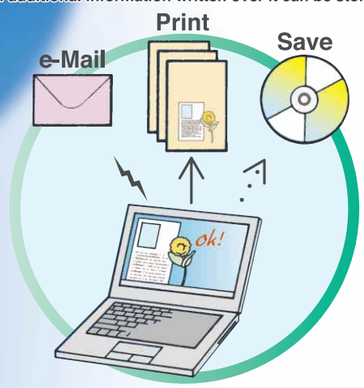
## Effective presentation with annotation

The projection screen becomes a white board.

- During presentation, you can write on the projected image from a document camera or from the data stored in a PC or on the blank white board screen using the pen tool of iP Viewer.
- Writing can be accomplished by using the pen tablet available on the market in addition to using the mouse.
- Zooming or rotational display of the projected image can also be made.

## Storage and distribution of your presentations

The projected presentation material with additional information written over it can be stored.




- This feature is convenient when using the same material repeatedly, or printing out or mailing out the material.

# iP Series

*Intelligent Projector*

**The Avio Multiprojector advances again with the birth of the Intelligent Projector iP Series.**
**Combined function with a PC is improved by the addition of a USB port.**
**The iP Series intelligently realizes a new level of highly effective presentations.**

## Intelligent Projector iP-60E

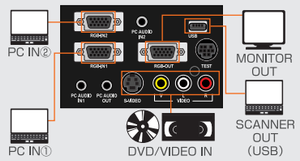
3,500 ANSI lm

USB

UXGA Compatible

It is the standard model capable of handling all kinds of presentation. It will help to make your discussions fruitful and in making quick decisions.
Furthermore, the images are clearly visible even with the room lights on.

## Supports a wide range of presentations.




### A4 size vertical /horizontal display function

Vertically oriented document can be rotated 90˚ on the screen with automatic aspect ratio adjustment.

### Zoom and scroll function

Up to 6.25 times zooming and screen scrolling after zooming are available.

### Memory function

Up to 32 projected images can be temporarily stored in a memory for projection at a later time.

### Keystone correction function

Image distortion caused by the projection angle can be corrected without adjusting the tilt foot of the main unit. (iP-60E: ±10˚ horizontally and ± 15˚ vertically.)

### Pointer function

A pointer can be displayed on the projection screen and manipulated freely using a remote controller or a button on the main unit.

### Blank screen function

Projection can be temporarily stopped.

### Large screen projection

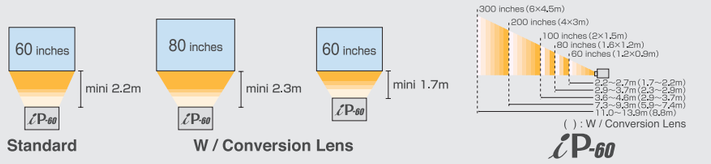
Projection can be made on various screen sizes, from minimum 32 inch to maximum 300 inch (approximately 6m× 4.5m).

## Conversion Lens (option)

IPCL-F2

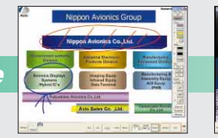
Shorten projection distance(Approx.20%)

## Screen Size and Projection Distance W / Conversion Lens

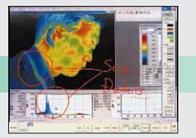



## iP Viewer

### Examples of Image




Presentation material

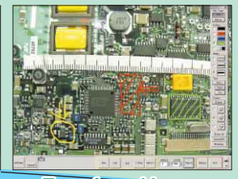


Technical discussion

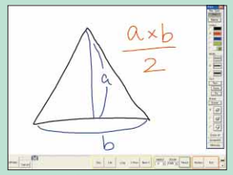
Educational material

**It is a presentation software dedicated for the iP series.**

Initial screen image



Transferred Image

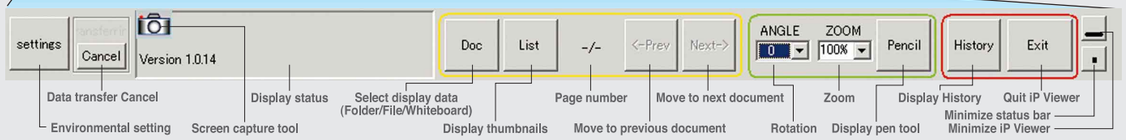


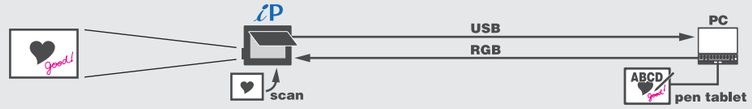

White Board use

- The software will automatically boot up by connecting the iP series and a PC.
- No software installation procedure required.

Software operating conditions

OS Compatibility: Windows® 2000 Professional English Ver. (SP3 or higher), Windows® XP English Ver., Windows® Vista English Ver.
USB Interface: USB 1.1 or higher




## Configuration