Companion Product

**DESIGN**
20-20 CAP STUDIO 2011
20-20 GIZA STUDIO 2011

Start Visual Impression from your CAP or Giza design software to specify finishes and see your design projects come to life in a realistic 3D environment. Changes made in Visual Impression can be saved back to the application from which Visual Impression was started.

**SPECIFICATION**
20-20 WORKSHEET 2011

Start Visual Impression from Worksheet, or open a Worksheet file you created from a CAP or Giza 2011 takeoff. Changes you make can be saved back to the Worksheet file you opened. Optionally, you can also update the design project within CAP or Giza using the 'Sync With Worksheet' command.
Define Scenes in CAP Drawing

- Product and scene selections are defined in the drawing.
- Define one or multiple scenes per drawing.
- Drawing scene boundaries are on their own layer and persist in the drawing.
- Launch Visual from the menu to see the scene.
- Product changes made within the scene boundary are automatically loaded with the scene in 20-20 Visual impression.
Define Scenes in Giza Drawing

Product and scene selections are defined in the drawing.

Define one or multiple scenes per drawing.

Launch Visual from the menu to see the scene.

Drawing scene boundaries are on their own layer and persist in the drawing.

Product changes made within the scene boundary are automatically loaded with the scene in 20-20 Visual impression.
Scene Selection

Scenes with materials selections saved to the host application preview in those colors

Easily change between scenes from within 20-20 Visual Impression Using the Scene Selector

Select the appropriate scene for visualization from all defined scenes
Open Worksheet Files Directly

Open Worksheet files created from a CAP Studio or Giza Studio 2011 drawing

Welcome to...

Visualize scenes directly from your CAP or Giza design software, or from a Worksheet file created by a CAP or Giza 2011 takeoff.

View the Visual Impression Quick Tour

Welcome Design Specification

Exit Visual Impression Open Worksheet File...

Property of 20-20 Technologies
Modern UI

Panels slide in from the side when functionality is needed.

Intuitive interface with limited use of traditional menus.

Maximum screen real-estate available for scene visualization.

Context sensitive panels become visible when Materials, Room, and Presentation activities are chosen.
Navigation

Mouse control allows for orbit, tilt, zoom in and out, and pan.

Dashboard control for navigation

Property of 20-20 Technologies
Zoom

Zoom in using the mouse or dashboard to see more detail.
Mouse Navigation

1. Select items

2. Hold down and move mouse to Pan the scene

3. Hold down and move mouse to Orbit left/right & Tilt up/down

4. Scroll mouse wheel forward to zoom in.

5. Scroll mouse backward to zoom out.

Property of 20-20 Technologies
Dashboard Navigation

- **Undo and select specific task to undo**
- **Redo**
- **Zoom to an item**
- **Isolate an item**
- **Toggle Collision detection**
- **Press “+” to zoom in**
- **Press “-” to zoom out**
- **Toggle to orbit**
- **Toggle to pan**
- **Toggle between SQ, HQ, HQ+ and HL render**
- **Lighting control**
- **Hide and Show Items**
- **Take and display snapshots**
- **Toggle Collision detection**
- **Press “-” to zoom out**
- **Use arrows to move left/right & up/down**
- **Return to Home view and set new Home view**
- **Undo and select specific task to undo**
SQ and HL Visualization

SQ
Best for quickly navigating, adjusting the view and visual specification.

HL
Hidden Line - Allows for creative output
HQ and HQ+ Visualization

HQ
Fastest generated high-quality presentation

HQ+
Best for creating highest quality presentation output.

Provides softer, more realistic shadows
Lighting

Easily adjust overall lighting by using a slider in Standard and HQ.

No individual light placement necessary.
Visual Specification

Available options are displayed for selection

Rolling the mouse over a selection enables a bigger swatch for closer review

Selected options are immediately visible on the product

Large swatch contains more details about the selection

Property of 20-20 Technologies
Specification Summary

Selected options are displayed

Changes can be made by re-selecting the option

Easy way to apply options to multiple items

Selected options can be applied to other items with the same or similar available options

Property of 20-20 Technologies
Specials

Specials created from a standard product can retain the options from that product.

Specials created from scratch must have materials applied using Advanced Materials.

Graphic Specials must be created in CAP or Giza to visualize in Visual Impression.

Items list displays special part number.

Selected options can be applied to other specials with the same or similar available options.

Items information displays special part number.

Property of 20-20 Technologies
Items List

Items List may be filtered and used to control navigation and display of items.

Items List contains all items in the scene and their visibility status.

Item information for selected items is displayed.

Property of 20-20 Technologies
Hiding Items

Hiding items allows control of the items in the scene without affecting the source drawing.

Hidden items can be invisible or shown as semi-transparent.

All hidden items can become visible by selecting “Show All”.

Items can be hidden from the scene by deselecting visible.

Property of 20-20 Technologies
Use annotation to enhance communication of product changes between users of 20-20 Visual Impression and 20-20 Worksheet.

Identify all items with annotations by hiding those without.

Sticky note changes to indicate annotation is present.
Annotation – Worksheet View

New column and icon indicates an annotation is present

Clicking icon exposes the annotation

Clear annotation when required changes are complete
Add windows, doors, and wall elements to better imply architecture.

Drag walls to the appropriate room size.

Automatically placed system ceiling lights can be made visible through Settings.
Room – Multiple Elevations

Use the right and left arrow keys under Side 2D to go to the next elevation.
Placing Extras

Insert Extras (accessory items) in drawing or directly in Visual Impression.

Extras inserted in Visual Impression do not appear in the take-off.
Moving Extras into Position

- Use curved arrows to rotate.
- Use arrow to move up and down.
- Push into place when hand is visible.
- Button on dashboard toggles collision detection so items don’t collide.
Room Materials

Select walls, floor, or ceiling to apply materials

Apply materials to doors, windows, and room elements

Select from Visual Materials Palettes

Apply selection to one or all walls in one step

Property of 20-20 Technologies
Manually Apply Materials

Select from Visual Materials Palettes

- Bright colors identify areas for material application
- Override manufacturer-specific finishes to visualize COM applications

Property of 20-20 Technologies
Visual Materials

- Apply Generic materials
- Apply materials from specific suppliers
- Apply materials from specific furniture manufacturers
- Select the materials to drag and drop onto palettes
- Drag and drop materials directly into Visual Impression’s Advanced Material layers
- See a large view of the selected material
- See technical information about the material
- See how the material renders on a sample object
Visual Materials - Palettes

Select materials from generic, supplier, and manufacturer specific materials.

Create and Manage palettes.

Create shortcuts to ensure palettes are always up-to-date with the latest materials.

Save and organize favorites materials in palettes, making them easier to find.
Visual Impression - Palettes

Drag and drop materials from palettes onto the appropriate layer in the Advanced Materials list.
Custom Materials

Select materials from generic, supplier, and manufacturer specific materials.

Customize material classifications as needed.

See how the custom material renders on a sample object.

Save Custom Materials to Palettes for application in Visual Impression.
User Materials

Apply Generic materials

Bring in your own images and add them to palettes

See how the user material renders on a sample object

Customize the materials classifications of your User Material

Property of 20-20 Technologies
Snapshots

Capture snapshots of preferred scene views for output to picture files and for use in presentations.

Capture Snapshots in Top2D, Front 2D, and 3D View.

Store multiple snapshots.

Save snapshot camera position to return to exact view.
Collect and organize all scene “assets” (snapshots, furniture images, furniture and room materials)

Drag and drop assets into preferred presentation software

Filter and control visibility of all presentation assets

Generate single item “cut sheets” of every item in the scene.

Export and save all or selected assets to other locations

Share assets on Social Networks

Property of 20-20 Technologies
Rename Snapshots

Select Visual
Impression name
for snapshots and
type in your own
Generate Furniture Images

Generate furniture images as a group or individually

Orbit and tilt items to get to the appropriate view

Capture images in SQ, HQ, and HQ+ render

Capture in full color or grayscale

Capture items without the background or include walls and flooring

Overwrite images created in Worksheet or update those generated automatically in Visual Impression

Property of 20-20 Technologies
Social Media

Drag and drop assets into preferred presentation software

Generate single item "cut sheets" of every item in the scene.

Post selected items to your Social Media sites

Property of 20-20 Technologies
Select stopping points in your animation and let the computer do the rest.

Rearrange and reorder stopping points at any time.

Control the transition time between stopping points and the wait time at each stopping point.

Add comments at each stopping point to call out interesting points.
Apply and Save

Change scenes by selecting the appropriate scene name or picture.

Save and Apply changes back to the host applications.

Use “Save As” to save changes to a separate file.

Access Help File.
Settings

Choose to use manufacturer provided presentation finishes

Show ceiling lights placed automatically by Visual Impression

Manage hardware settings
Set Room Defaults

Save selected room finishes as Room Defaults to start new Visual Impression scenes
Update Against Visual Worksheets

Update the drawing with finishes applied in Worksheet.

Update source drawing with finishes selected and saved to the Worksheet by other team members.