Panasonic

ET-CUK10/CUK10P

**Auto Screen Adjustment Upgrade Kit /
Auto Screen Adjustment Upgrade Kit for PC**

Manage Your Projector Set-Up, Simply, Quickly and Perfectly.

By applying the Auto Screen Adjustment function to Geometry Manager Pro software, you can greatly save installation time and costs. You can also set up multiple projectors automatically and simultaneously.
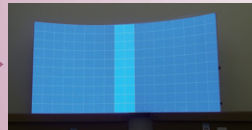
Before

Several professional techniques were required for multi-unit projection, it is time consuming to achieve a high-quality visual performance.
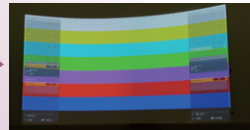
- **Geometric adjustment**
- **Stacking**

- **Edge blending**
- **Black level adjustment**

- **Color matching**
- **Brightness adjustment**

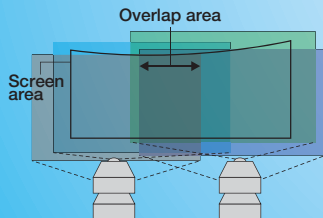**Adjustment finished.**

After

Beautiful projection takes 3 quick, easy steps. Auto Screen Adjustment almost completes the installation of multiple projectors by itself.

Step 1

Projector set-up
Adjust the lens zoom/shift/focus to cover the whole screen area.

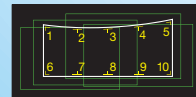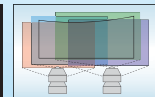Overlap area

Screen area

Step 2

Camera and screen set-up
Set the camera to cover the screen area and select multiple points on the edge of the screen by PC.
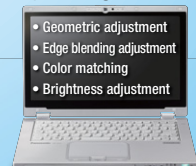
On the screen
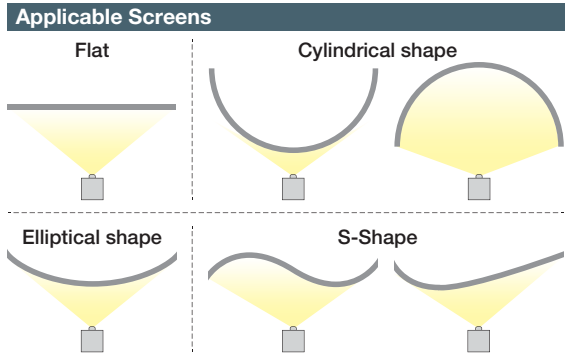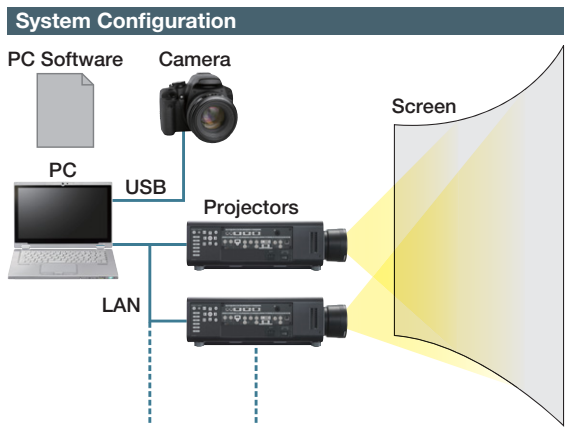
Camera finder

Step 3

Auto adjustment
Automatically calibrate correction value and reflect the suitable adjustment to each projectors via Geometry Manager Pro software.

- Geometric adjustment
- Edge blending adjustment
- Color matching
- Brightness adjustment

Specifications

	Auto Screen Adjustment Upgrade Kit (ET-CUK10) Auto Screen Adjustment Upgrade Kit for PC (ET-CUK10P)
Supported Projectors	PT-RQ32K/RZ31K/RS30K/RZ21K/RS20K/RQ13K/RZ12K/RS11K/ DZ21K2/DS20K2/DZ13K/DS12K/DZ10K/RZ970/RZ770/ RZ660/RZ670/DZ870/DZ780
Connection	LAN
Number of Projectors	Max 99 units (Horizontal 4 units x Vertical 4 units x Stacking 6 units per 1 camera, Max 6 cameras)
Key Functions	Automatically adjust Geometry, Edge Blending, Curved Screen, Stacking, Color & Brightness, Black level, White Balance
Requirement	Geometry Manager Pro Software Ver.3.3 or later Projector's Firmware version PT-DZ21K/DS20K: ver.4.0 or later PT-DZ13K/DS12K/DZ870: ver.3.0 or later
Cameras and Lenses	D5200/D5300/D5500 (Nikon)*1 w/ Normal Zoom: AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR Wide-angle Zoom: AF-S DX NIKKOR 10-24mm f/3.5-4.5G ED High-power Zoom: AF-S DX NIKKOR 18-140mm f/3.5-5.6G ED VR Normal Zoom: AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR II *2 Normal Zoom: AF-P DX NIKKOR 18-55mm f/3.5-5.6G VR *3
Activation Method	Get the Activation Pass-code through 'PASS' System [ET-CUK10] One Pass-code per projector [ET-CUK10P] One Pass-code per PC

*1 The latest compatible camera and lens list is in PASS system.
*2 The camera "C" firmware version 1.01 or newer must be applied on D5300/D5500.
*3 The Optical VR option in the camera menus should be turned off on D5300/D5500.

System Configuration

Applicable Screens

Flat

Cylindrical shape

Elliptical shape

S-Shape

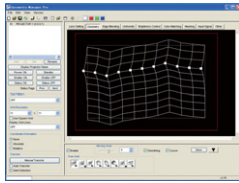# Geometry Manager Pro Software

Maximize the projector's performance with Geometry Manager Pro

You can make the projector more flexible by upgrading the software. Combining the ET-CUK10 Auto Screen Adjustment upgrade kit lets you maximize the projector's performance by minimizing set-up time and costs.
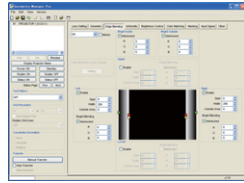
Geometry Manager Pro Software
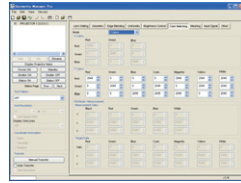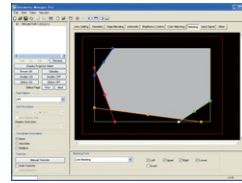Free Software downloadable from PASS system

Geometry
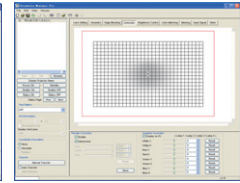
Edge blending

Color matching

Upgrade Kit for Geometry Manager Pro (ET-UK20)
More Flexible & Functional
Activate through PASS system

Masking

Uniformity

	Geometry Manager Pro software	Upgrade Kit (ET-UK20)
Supported Projectors	PT-RQ32K/RZ31K/RS30K/RZ21K/ RS20K/RQ13K/RZ12K/RS11K/DZ21K2/ DS20K2/DZ13K/DS12K/DZ10K/RZ970/ RZ770/RZ660/RZ670/DZ870/DZ780	PT-RQ32K/RZ31K/RS30K/RZ21K/ RS20K/RQ13K/RZ12K/RS11K/DZ21K2/ DS20K2/DZ13K/DS12K/RZ970/RZ770/ RZ660/RZ670/DZ870/DZ780
Connection	LAN/RS232C	
OS	Windows7/8.1/10	
Number of Projectors	32 sets (ver.1.xx) /64 sets (ver.2.0 or later)	
Requirement	—	Geometry Manager Pro software
Key functions	Geometric Adjustment, Edge Blending, Color Matching	Geometric Adjustment (including Rotation and Flip), Edge Blending, Color Matching, Masking, Uniformity Control
Activation Method	—	Get the Activation Pass-code through 'PASS' System One Pass-code per projector

Projector & Professional Display
Asset Support System

PASS
Global Concierge for the Lifetime

PASS Web Site – **https://panasonic.net/cns/projector/pass**
* For more details on the latest projector and software information, please visit the above website.

Register your projector to activate the upgrade kit and get what you need.

Panasonic continuously includes the latest features. Once you have registered the projector and activated the upgrade kit via the PASS system, you can enjoy all the functions of Panasonic professional projectors.

Panasonic®

For more information about Panasonic projectors, please visit:
Projector Global Web Site – **https://panasonic.net/cns/projector**
Facebook – **www.facebook.com/panasonicprojector**
YouTube – **www.youtube.com/user/PanasonicProjector**

All information included here is valid as of January 2018.

ET-CUK10G3 Printed in Japan.