

---

# IKFilterCustomUIProvider Protocol Reference

[Graphics & Imaging](#) > Quartz



2006-12-07



Apple Inc.  
© 2006 Apple Computer, Inc.  
All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Inc., with the following exceptions: Any person is hereby authorized to store documentation on a single computer for personal use only and to print copies of documentation for personal use provided that the documentation contains Apple's copyright notice.

The Apple logo is a trademark of Apple Inc.

Use of the "keyboard" Apple logo (Option-Shift-K) for commercial purposes without the prior written consent of Apple may constitute trademark infringement and unfair competition in violation of federal and state laws.

No licenses, express or implied, are granted with respect to any of the technology described in this document. Apple retains all intellectual property rights associated with the technology described in this document. This document is intended to assist application developers to develop applications only for Apple-labeled computers.

Every effort has been made to ensure that the information in this document is accurate. Apple is not responsible for typographical errors.

Apple Inc.  
1 Infinite Loop  
Cupertino, CA 95014  
408-996-1010

Apple, the Apple logo, Mac, Mac OS, and Quartz are trademarks of Apple Inc., registered in the United States and other countries.

Simultaneously published in the United States and Canada.

**Even though Apple has reviewed this document, APPLE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS DOCUMENT IS PROVIDED "AS IS," AND YOU, THE READER, ARE ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY.**

**IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY**

**DEFECT OR INACCURACY IN THIS DOCUMENT, even if advised of the possibility of such damages.**

**THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. No Apple dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.**

**Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.**

# Contents

---

## **IKFilterCustomUIProvider Protocol Reference 5**

---

Overview 5

Tasks 5

    Providing a Custom View 5

Instance Methods 5

    provideViewForUIConfiguration:excludedKeys: 5

---

## **Document Revision History 7**

---

---

## **Index 9**

---



# IKFilterCustomUIProvider Protocol Reference

---

<b>Framework</b>	System/Library/Frameworks/Quartz.framework/ImageKit.framework
<b>Availability</b>	Available in Mac OS X v10.5 and later.
<b>Declared in</b>	IKFilterUI.h

## Overview

The `IKFilterCustomUIProvider` protocol is an addition to the `CIFilter` class that defines a method for providing a view for a filter. This protocol is implemented by any filter that provides its own user interface.

## Tasks

### Providing a Custom View

- [provideViewForUIConfiguration:excludedKeys:](#) (page 5)  
Provides a custom view for a filter.

## Instance Methods

### **provideViewForUIConfiguration:excludedKeys:**

Provides a custom view for a filter.

```
-(IKFilterUIView*)provideViewForUIConfiguration:(NSDictionary*)inUIConfiguration  
excludedKeys:(NSArray*)inKeys
```

#### Parameters

*inUIConfiguration*

A dictionary that specifies the size of the controls. Provide the key `IKUISizeFlavor` and one of the following values: `IKUISizeMini`, `IKUISizeSmall`, or `IKUISizeRegular`. For more information on these constants, see *User Interface Options* in *CIFilter Image Kit Additions*.

*inKeys*

An array of the input keys for which you do *not* want to provide a user interface. Pass `nil` if you want all input keys to be represented in the user interface.

**Return Value**

An `IKFilterUIView` object or `nil` if the filter is unable to provide a view. If `nil`, the Image Kit framework will attempt to provide a user interface.

**Discussion**

This method overrides the method `viewForUIConfiguration:excludedKeys:`.

**Availability**

Available in Mac OS X v10.5 and later.

**Declared In**

`IKFilterUI.h`

# Document Revision History

---

This table describes the changes to *IKFilterCustomUIProvider Protocol Reference*.

Date	Notes
2006-12-07	New document that describes the protocol that defines a method for providing a view for a filter.

## REVISION HISTORY

### Document Revision History



# Index

---

## P

---

provideViewForUIConfiguration:excludedKeys:  
protocol instance method [5](#)