

KMV-PM Simplified Operating Manual



'Color Area' Inspection



Touch 'Setup' on the main screen.



Press '5' on the keypad.





From Bank 0~31, the total number of 32 inspection objects can be stored. Choose the desired bank (by pressing '8' and '2'), and touch 'Go' on the screen or press 'SET' on the keypad.



The trigger mode is to select the shooting method. Always set to 'UPEDGE' mode. For a real time view, select 'NONE'. Touch 'Next' after setting.





Shutter speed is the speed of the camera taking shots. When '5' on the keypad is pressed, the shutter speed gets adjusted automatically. If the set up shutter speed cannot follow the target, it can be re-adjusted by pressing '8' and '2' on the keypad.



Set up the brightness. The optimal brightness value can be selected by pressing '8' and '2' on the keypad. Touch 'Next' after setting.





Select the direction of the image seen on the screen. When this is done, touch 'Next' on the screen.



Press '5' on the keypad to store the image on the screen.





The existing image will be replaced by the new image.



Either color or black/white mode can be selected. Select 'COLOR', and then touch 'Next' on the screen.





Contour Registry is used to enhance the contour and edges during inspection. Press '5' on the keypad for automatic configuration.



The Contour Registry can be finely adjusted by pressing '8' and '2' on the keypad. Touch 'Next' after setting.





This function is used to compensate the position of the target when its location is not fully fixed during inspection. Select 'OFF', and then touch 'NEXT'.



This menu is to locate the starting position of the inspection area. Locate the starting position by touching the screen, and make fine adjustments by pressing '8', '6', '4' and '2' on the keypad.





Touch 'Next' when the starting position is located at the desired location.



This menu is to set up the size of the inspection window. Change the size of the inspection windows by touching the screen, and make fine adjustments by pressing '8', '6', '4' and '2' on the keypad.





Touch 'Next' after setting.



Select 'COLRAREA' for color area inspection function.





In Dark Compensation, set the value higher when the target is dark and lower when the target is bright. Adjust the value until the color of the image is clear.

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KAIS	Decrease setting value t- o detect black or gray c- olor. Increase to detect dark color.		
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The value can be adjusted by pressing '8' and '2' on the keypad. Touch 'Next' after setting.





This menu is to select the color, which is to be inspected. Press '4' and '6' on the keypad.



Above image shows when the orange color is selected.





Above image shows when the black color is selected.



By pressing '8' and '2' on the keypad, the inspection accuracy can be selected from 6 levels: 'HIRESO', 'FINE', 'NORMAIL', 'ROUGH', 'BROAD' and 'Revers'.





Touch 'Next' when the desired color is selected.



If one inspection window is required, touch 'Finish'. To copy the inspection windows setting press 'SET' on the keypad. Press '5' on the keypad.





Like the first inspection window, this menu is to select the location of the second inspection window.



After selecting the desired starting position of the second inspection window, touch 'Next'.





Change the size of the inspection windows by touching the screen, and make fine adjustments by pressing '8', '6', '4' and '2' on the keypad.



Touch 'Next' after setting.





Select 'COLRAREA', and then touch 'Next'.



Adjust the value until the desired brightness is acquired, and then touch 'Next'.





Select the desired color, and touch 'Next'.



If a third inspection window is required, press 'SET' or '5' on the keypad like the setup the second window. Otherwise, touch 'Finish'.





Press '5' on the keypad. The set-up is done.

Tolerance Configuration



Touch 'Window Jdgment' (to configure the tolerance of the second inspection window).





By pressing the buttons on the keypad, the lower area threshold value can be selected. Press 'SET'.



When 'LowerAreaThrsh' box turns red like above, the lower area threshold value can be selected by pressing '8' and '2' on the keypad.





After setting, touch 'Switch Window Disply'.



Select the first inspection window, and touch 'Back' on the screen.





The lower area threshold value for the first inspection window can be selected. Press 'SET'.



Select the lower area threshold value.





Press 'SET' on the keypad after setting, and then touch 'Back'.



To re-configure the size and the color of the inspection window, touch 'Window Registration'.





Press '5' on the keypad.



Touch 'Inspct Window No. 1' on the top right corner of the screen.





The first inspection window appears as shown above.



The position of the inspection window can be changed. When the inspection window has reached the desired location, touch 'Inspect Window No. 1'.





When the inspection window becomes yellow, the size of the window can be changed.



To change the size of the second inspection window, it can be done by selecting 'Switch Window Disply'. To change the inspection color, it can be done by touching 'Window Color No. 1'. When the re-setting is finished, touch 'Back'.





Touch 'Back' on the screen.



Touch 'Back' on the screen again.





Setting up is finished!