

Topic:
Monitor, Using B/W Server

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Solution Report

Symptoms/Condition:

When using a B/W display monitor (Server Monitor) and scanning in color, the Brightness/Contrast Histogram is not fully visible. Only the green (middle) histogram is visible. All histograms present because individual bars are highlighted by the cursor, but they are not seen/visible.

Solution:

In order to use a B/W display monitor, the **VXscan** initialization file must be modified to display the **vxscan** application properly. The steps are listed and then demonstrated below.

- 1) Login to the **VX3000_controller** (i.e., **vx#**);
- 2) Change to the proper directory for modifications (**/files/vexcel/bin**);
- 3) Make a backup of the **VXscan** for the color display (**VXscan.col**) and create a new **VXscan** for the black & White Display (**VXscan.bw**);
- 4) Modify the file **VXscan.bw** as shown (from **START** to **END**); and
- 5) Overwrite the old copies of **VXscan** with the new **VXscan.bw**, in order for your changes to take effect (**files/vexcel/bin/VXscan** and **/usr/lib/app-defaults/VXscan**).

Then when you start **vxscan**, the full histogram should be fully visible. These steps are shown below:

```
$  
$  
$ rlogin VX3000_controller  
Password: ****
```

```
Last successful login for vxinst: Mon Jun 27 13:01:07 MDT 1994 on tty00  
Last unsuccessful login for vxinst: Mon Jun 27 13:00:34 MDT 1994 on tty00  
UNIX System V/386 Release 3.2  
vx3000_controller  
Copyright (C) 1984, 1986, 1987, 1988 AT&T  
Copyright (C) 1987, 1988 Microsoft Corp.
```

All Rights Reserved
Copyright (C) 1988, 1989, 1990 The Santa Cruz Operation, Inc

Welcome to the VX3000 Film Scanning System

From

Vexcel Imaging Corporation

TERM = (ansi)
Terminal type is ansi

```
{vx3000_controller->vexcel:1}  
{vx3000_controller->vexcel:1}  
{vx3000_controller->vexcel:1} cd /files/vexcel/bin  
{vx3000_controller->vexcel:2} cp VXscan VXscan.col  
{vx3000_controller->vexcel:3} cp VXscan VXscan.bw  
{vx3000_controller->vexcel:4}  
{vx3000_controller->vexcel:4} vi VXscan.bw (edit as shown next)  
{vx3000_controller->vexcel:5} more VXscan.bw
```

```
-----  
! @(#)VXscan 1.12 9/22/93  
!  
! (c) Copyright 1990, 1991, 1992, 1993 Vexcel Imaging Corp.  
! All rights reserved.  
!  
! Module: VXscan  
!  
! Function: resource file for vxscan application.  
!  
! Author: Deborah  
!  
! Affiliation: Vexcel Imaging Corporation  
!  
! Date: 23 February 1993  
!  
-----  
! VXscan customization items:  
!  
! You can change the colors and the startup state of the application by putting  
! lines of the form  
! VXscan*resourcename: resourcevalue  
!  
! in the .Xdefaults file in your home directory. The following items can be  
! changed:  
!  
-----  
!  
! initial size of the main window:  
!  
! VXscan.width: 953  
! VXscan.height: 775  
!
```

```

! Fonts:
!
*fontList:          9x15=DefaultCharSet, \
                    *symbol*--14*=SymbolCharSet
!
! Colors:
!
*borderColor:      Wheat
*foreground:        black
*background:        lightblue
*visforeground:     darkslateblue
*pointforeground:   Magenta
*lineforeground:    Magenta
*photoforeground:   Cyan
*originforeground:  Cyan
*digforeground:     Green
*cenforeground:     Blue
*selpointforeground: Red
*sellineforeground: Red
*selphotoforeground: Green
*seloriginforeground: Green
*seldigforeground:  Red
*selcenforeground:  Green
*xorforeground:     Blue
*whitehistoforeground: White

```

START of Modifications for B/W Monitor

```

*redhistoforeground: White
# *redhistoforeground: Red
*greenhistoforeground: White
# *greenhistoforeground: Green
*bluehistoforeground: White
# *bluehistoforeground: Blue
*yellowhistohighlight: Black
# *yellowhistohighlight: Yellow

```

END of Modifications

```

*whitetextforeground: Black
*redtextforeground: Red
*greentextforeground: darkgreen
*bluetextforeground: Blue
!

```

! These are color indexes for drawing on the image monitor: !

```

*ipointerforeground: 12
*ipointforeground:   14
*ilineforeground:    14
*iphotoforeground:   12
*ioriginforeground:  12
*idigforeground:     15
*icenforeground:     9
*iselpointforeground: 11
*isellineforeground: 11
*iselphotoforeground: 10

```

```

*iseloriginforeground: 10
*iseldigforeground: 10
*iselcenforeground: 10
!
! Don't change or override (using the .Xdefaults file) values below this point,
! or you may prevent the application from running properly.
!
!
! Histogram Tool:
!
*dsHisto.dialogTitle: Histogram
*daHistoColor.width: 515
*daHistoColor.height: 150
*daHistoColor.background: darkslateblue
*daHistoColor.leftOffset: 5
*fHistoColorPane.paneMinimum: 100
*fHistoColorPane.paneMaximum: 300
*lbgHistoColorSatMin.rightOffset: 5
*pwHistoColor.background: wheat
.
.
{vx3000_controller->vexcel:6}
{vx3000_controller->vexcel:6} cp VXscan.bw VXscan
{vx3000_controller->vexcel:7} cp VXscan /usr/lib/X11/app_defaults/VXscan
{vx3000_controller->vexcel:8} ls VXscan*
VXscan
VXscan.bw
VXscan.col

```

NOTE: To return your system to its original configuration (for a color Monitor):

```

{vx3000_controller->vexcel:9}
{vx3000_controller->vexcel:9} cp VXscan.col VXscan
{vx3000_controller->vexcel:10} cp VXscan /usr/lib/X11/app_defaults/VXscan
{vx3000_controller->vexcel:11}

```