R&R Ges. für Rationalisierung und Rechentechnik mbH

R&R Industrie-Monitor IM110 - für rauhe Umwelt

|	
Gehäuse	Front- und Rückwand Aluminium eloxiert
Maße	(B x H) ca. 438 x 335 x 75 mm ohne Stecker
Anzeige	LCD TFT 15"
Auflösung	1024 x 768 Pixel
Farben	262.144
Displayfläche	304.128(H) x228.096(V) mm (15 inch diagonal)
Hintergrundbeleuchtung	200 cd/m²
Kontrast	180 : 1
Schnittstelle	1 x RGB-IN auf 15pol. Sub-D Buchse
	Auflösung / Vertikalfrequenz
	640x350 70Hz, 640x400 70Hz, 640x480 60Hz
	640x480 72Hz, 640x480 75Hz, 800x600 56Hz
	800x600 60Hz, 800x600 72Hz, 800x600 75Hz
	1024x768 60Hz, 1024x768 70Hz, 1024x768 75Hz
OSD	Menue, Exit, +, - , LED & Power
Touchscreen	resistiver Touchscreen, 1024 Punkte / Achse
Schnittstelle	RS232C, Treiber für WIN95, WIN98, WIN NT
Betriebstemperatur	0 bis +50°C
Stromversorgung	85VAC - 265 VAC, 42 W
Schutzart	frontseitig IP 65, rückseitig IP 50

335
329
320

Menue
Exit
+
−

15
6
0

0
15

219

423
432

438

72

0
6

Senkung DIN74 Am4
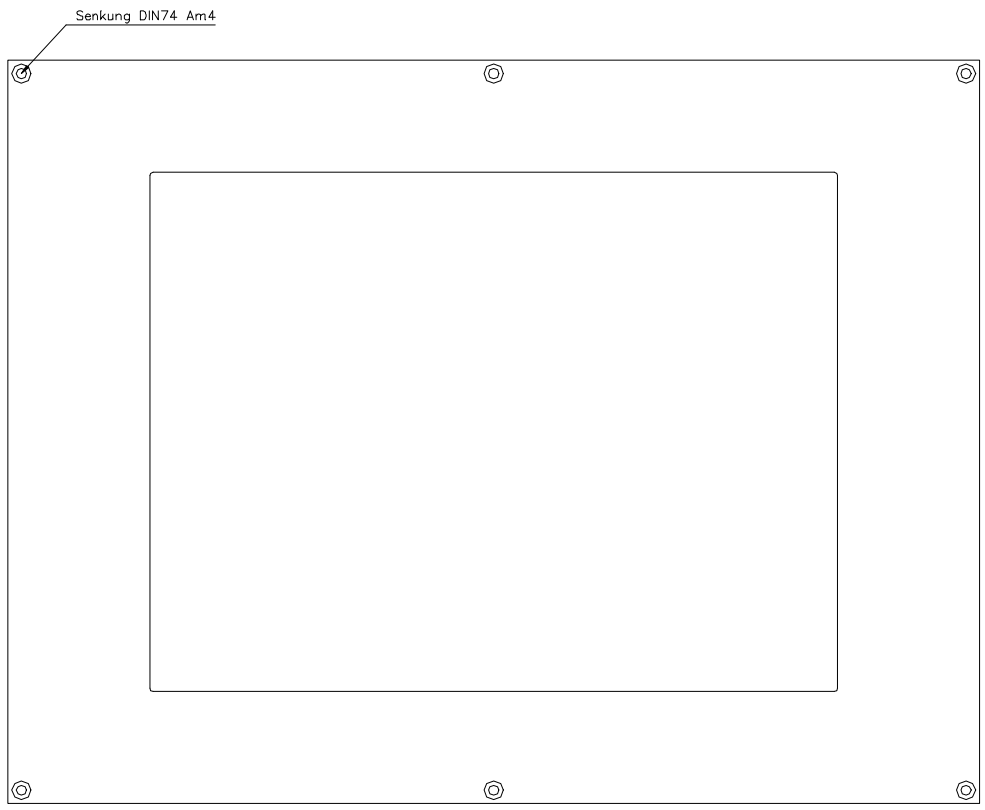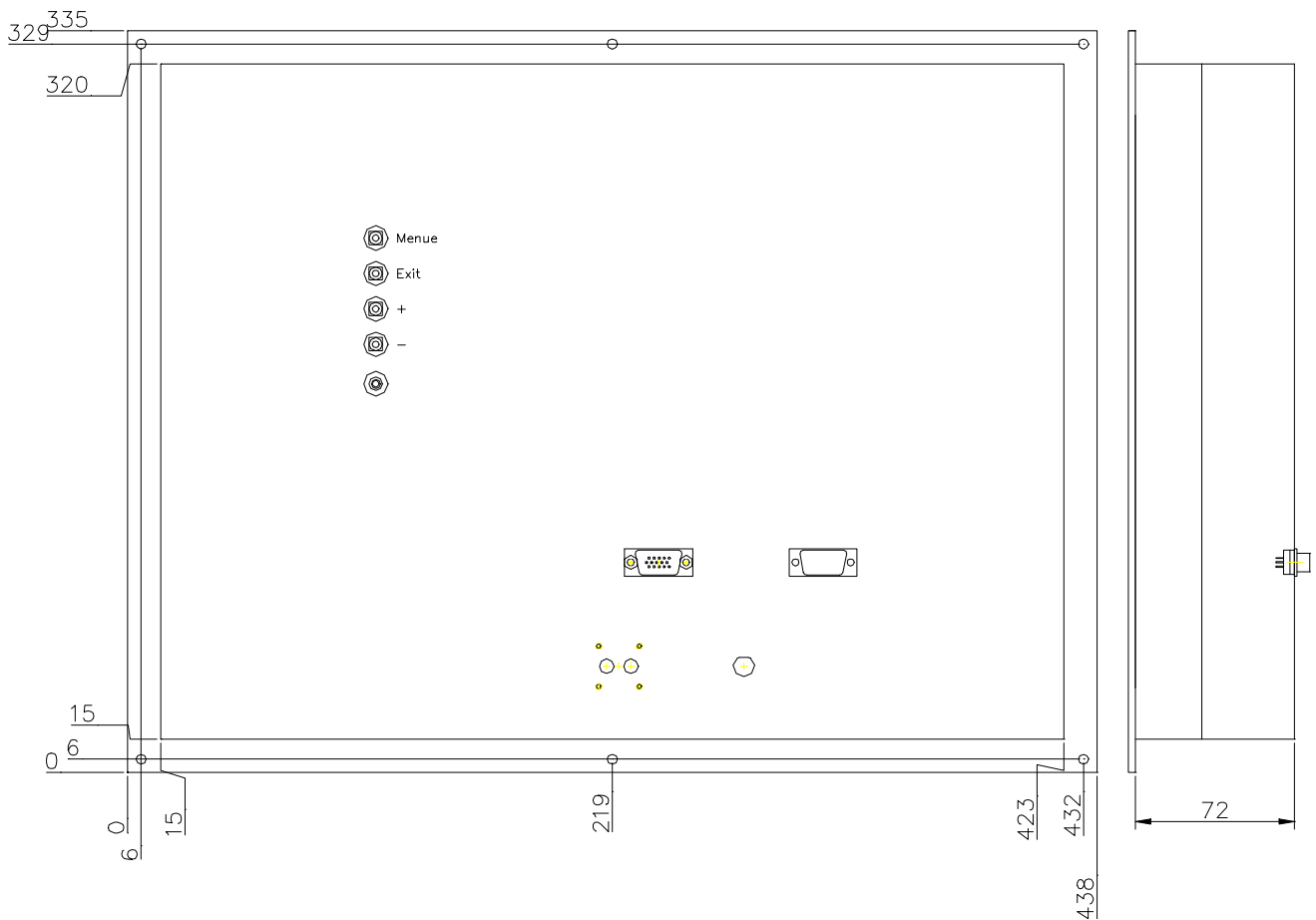
6. OSD (Example)
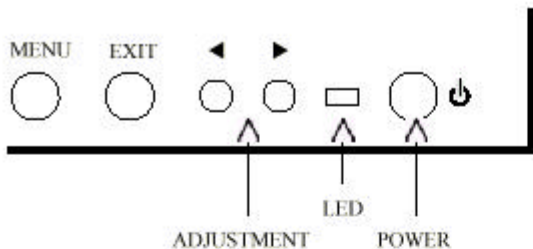
MODE	LED	
Power off	-	-
No signal	Red	Always on
Suspend / Stand-by	Red	Blinking
Power on	Green	Always on

MENU — Menu on/off. Select.
EXIT — Save & Quit
ADJUSTMENT — Scroll menu bar. Increase/Decrease setting value.
POWER — LCD monitor power on/off
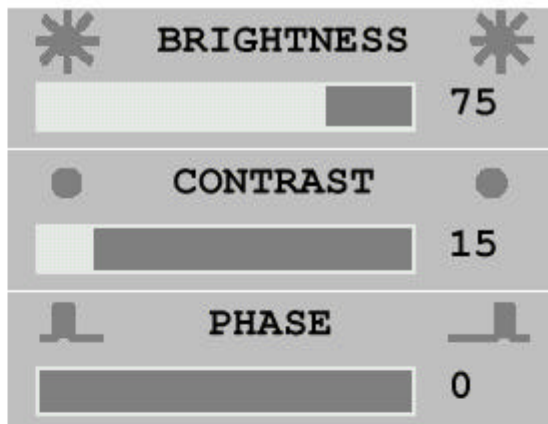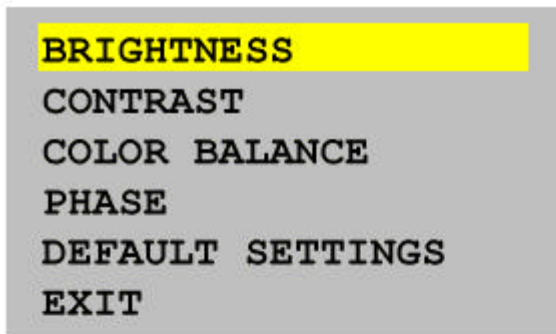
7. OSD Menu and Set-up Procedure

• Main Menu
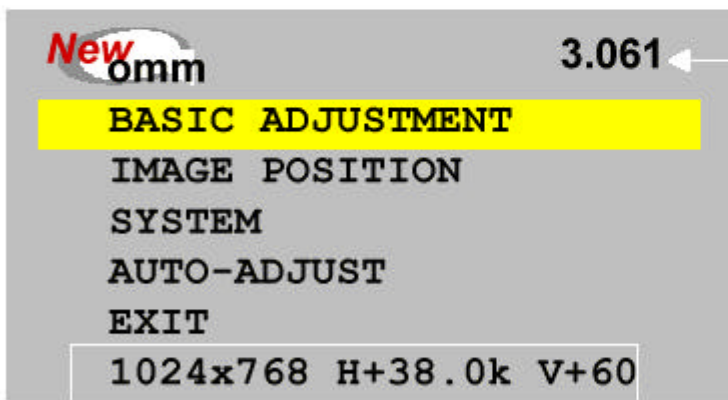
Status Display

1024x768 H+38.0k V+60

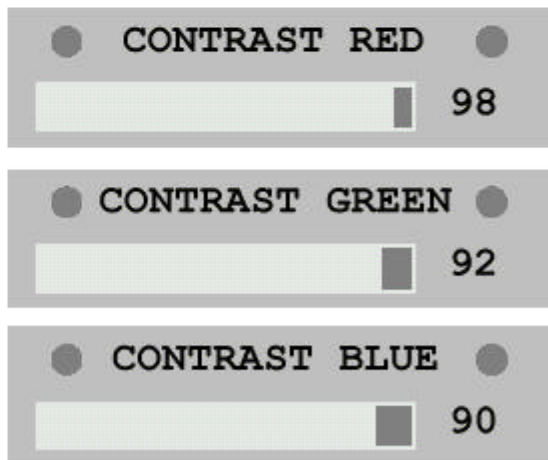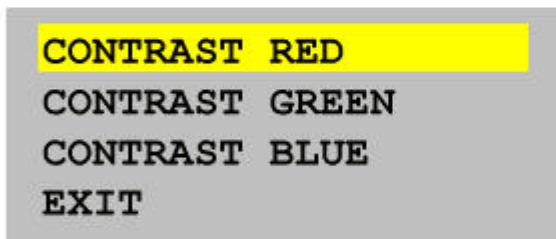**1024x768 :** Display mode
H+38.0k : Horizontal clock rate in KHz
V+60 : Vertical clock rate in Hz

•Basic Adjustment

BRIGHTNESS
CONTRAST
COLOR BALANCE
PHASE
DEFAULT SETTINGS
EXIT

✳	BRIGHTNESS	✳
		75
●	CONTRAST	●
		15
⊥	PHASE	⊥
		0

Brightness — Image brightness control
Contrast — Image contrast control
Color Balance — Individual contrast control menu for Red, Green and Blue.
Phase — Image sharpness control and noise elimination
Default setting — Cancel user.s setting and return to factory setting
Exit — Save current setting and return to main menu

Color Balance Sub-menu

CONTRAST RED
CONTRAST GREEN
CONTRAST BLUE
EXIT

●	CONTRAST RED	●
		98
●	CONTRAST GREEN	●
		92
●	CONTRAST BLUE	●
		90

Brightness — Image brightness control
Contrast — Image contrast control
Color Balance — Individual contrast control menu for Red, Green and Blue.
Phase — Image sharpness control and noise elimination
Default setting — Cancel user.s setting and return to factory setting
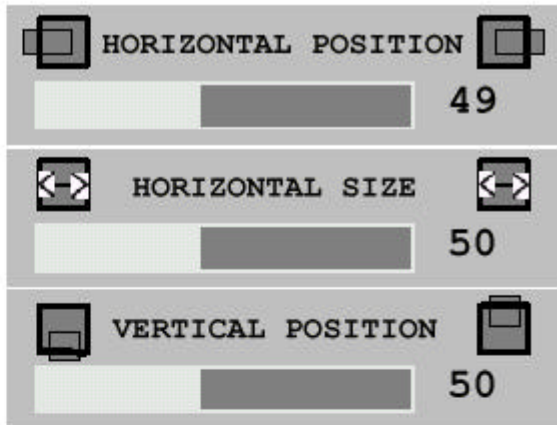**Exit** — Save current setting and return to main menu

•Image Position

| HORIZONTAL POSITION |
| HORIZONTAL SIZE |
| VERTICAL POSITION |
| EXIT |

HORIZONTAL POSITION	49
HORIZONTAL SIZE	50
VERTICAL POSITION	50

Horizontal Position	Image H-position control
Horizontal Size	Image width control
Vertical Position	Image V-position control
Exit	Save current setting and return to main menu

•System

| LANGUAGE |
| OSD POSITION |
| OSD TURN OFF TIME |
| EXIT |
| 800x600 H+38.0K V+60 |

| ENGLISH |
| FRANCAIS |
| DEUTSCH |
| ESPANOL |
| EXIT |

| TOP LEFT |
| TOP RIGHT |
| CENTER |
| BOTTOM RIGHT |
| EXIT |

| 10 SEC |
| 15 SEC |
| 30 SEC |
| 60 SEC |
| Exit |

LANGUAGE	Language selection for OSD menu
OSD POSITION	OSD menu location
OSD TURN OFF TIME	OSD lasting time
EXIT	Save current setting and return to main menu

•Auto-Adjust

When you select Auto-Adjustment, the monitor checks present VGA signal and fine tune display quality automatically. The best pattern for this function is Windows Shutdown mode.

* **Please do not use this function in DOS mode. The monitor can be subjected to system halt.**

If you encountered to this phenomenon, please reset OSD by selecting Basic Adjustment - Default settings menu.
Then your monitor will go back to Factory Default setting.
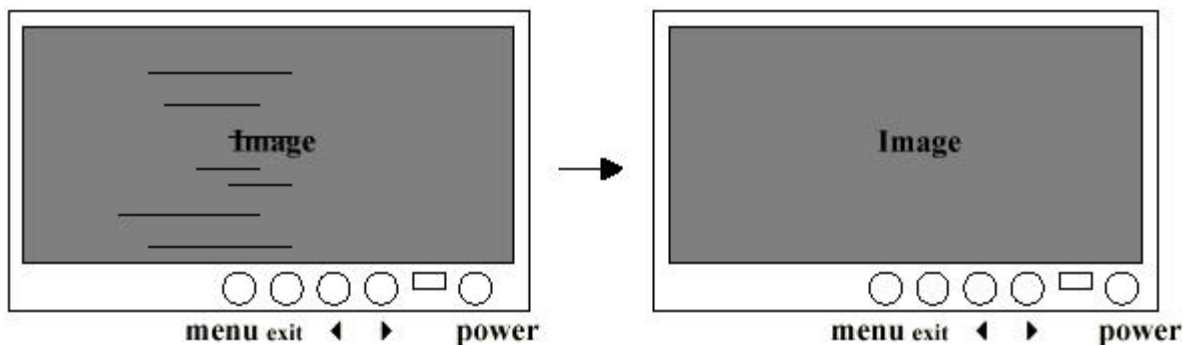
•OSD setting procedure

[Horizontal Size Adjustment]

1. Press **MENU** button to display OSD main menu.
2. Move scroll bar to **IMAGE POSITION** and then press **MENU** button
3. Move scroll bar to **HORIZONTAL SIZE** and then press **MENU** button
4. Pressing **3 3 (Decrement)** or **4 4 (Increment)** button, adjust horizontal size to fill display area.
* If horizontal size of your image is not fine tuned, you may observe periodic vertical noisy
bars on your image. This noisy bars can be disappeared by adjusting horizontal size.
5. Press **MENU** button to save current setting and move to previous menu.
Or Press **EXIT** button to save current setting & quit OSD MENU.

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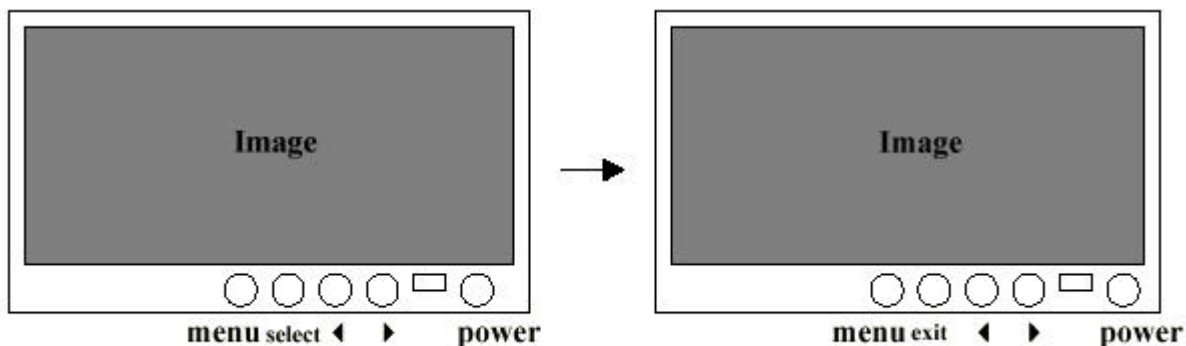
[Phase Adjustment]
1. Press **MENU** button to display OSD main menu.
2. Move scroll bar to **BASIC ADJUSTMENT** and then press **MENU** button
3. Move scroll bar to **PHASE** and then press **MENU** button
4. Pressing **3 3 (Decrement)** or **4 4 (Increment)** button, remove noise and sharpen the image.
* If the phase of your monitor is not fine tuned, you may observe unstable horizontal noisy
lines and horizontal crosstalks stretching from the edge of small widows on your display.
These noises can be disappeared by adjusting phase.
*If you change your display to **Windows shut down mode** , you can adjust it easily.*
*(click **start** icon at the bottom right side, then click **windows shutdown** . You can enter to*
windows shut
*down mode . After finishing phase adjustment, click **no** of the shutdown window to return to original*
windows display.)
5. Press **MENU** button to save current setting and move to previous menu.
Or Press **EXIT** button to save current setting & quit OSD MENU.

[Brightness and Contrast Adjustment]
1. Press **MENU** button to display OSD main menu.
2. Move scroll bar to **BASIC ADJUSTMENT** and then press **MENU** button
3. Move scroll bar to **BRIGHTNESS** or **CONTRAST** and then press **MENU** button
4. Pressing **3 3 (Decrement)** or **4 4 (Increment)** button, you can adjust your image.
5. Press **MENU** button to save current setting and move to previous menu.
Or Press **EXIT** button to save current setting & quit OSD MENU.

[Horizontal and Vertical Position Adjustment]
1. Press **MENU** button to display OSD main menu.
2. Move scroll bar to **IMAGE POSITION** and then press **MENU** button
3. Move scroll bar to **HORIZONTAL POSITION** or **VERTICAL POSITION** and then
press **MENU** button
4. Pressing **3 3 (Decrement)** or **4 4 (Increment)** button, you can locate your image to the center
of your display.
5. Press **MENU** button to save current setting and move to previous menu.
Or Press **EXIT** button to save current setting & quit OSD MENU.
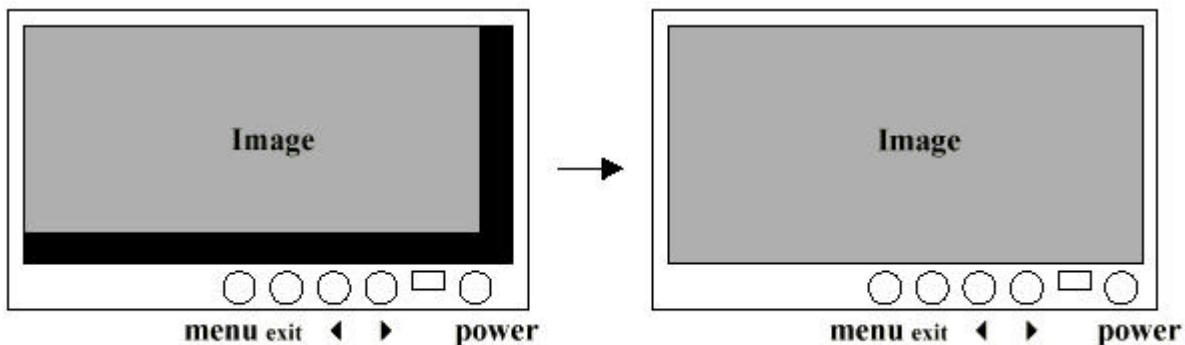
[Other Adjustment]
You can modify your OSD menu according to your preference. The procedure is:
Main menu ® System ® Language / OSD Position / OSD Turn off time
You can monitor the input signal status in the status display row of System menu window.