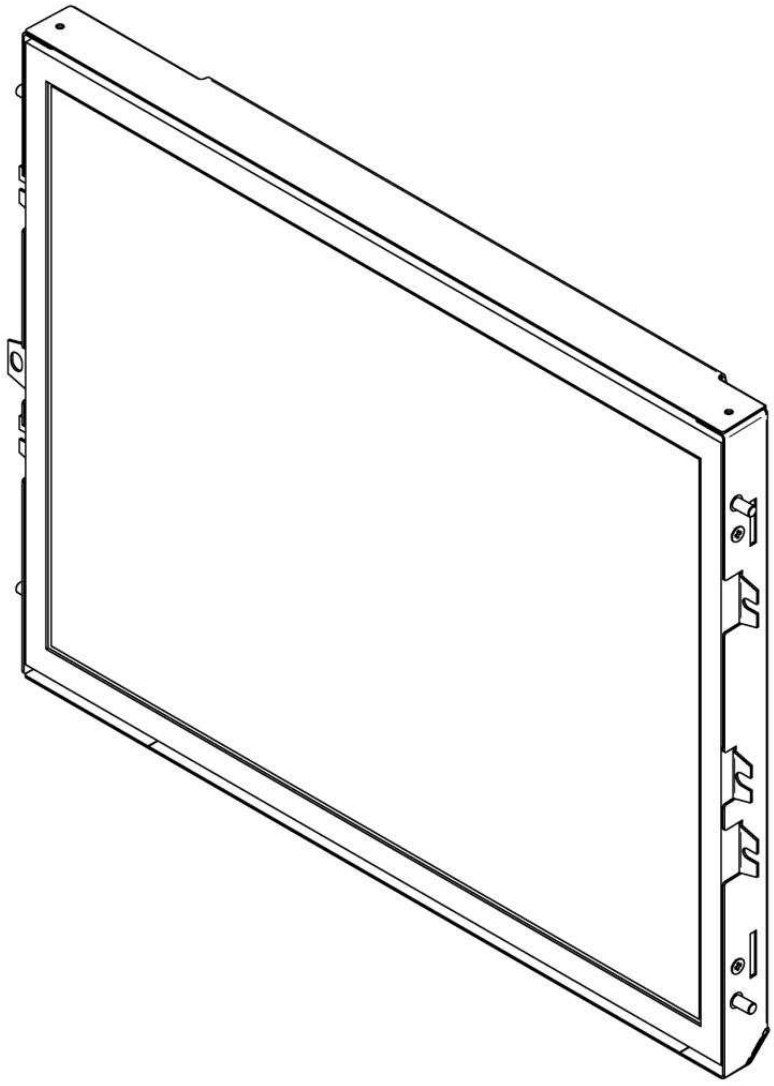
INSTALLATION / USER MANUAL

CD15270TBX/24
G1500191-G1500194
15” Std Brightness LCD monitor



This technical literature is subject to change.
Please contact NCR Display Engineering / GDS before designing product based on this information.
This manual should be read in conjunction with Technical Specification SPE10281.

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FCC Notice (U.S. Only)

FCC Class B – Applicable only to Limited Feature connections

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause interference with radio and television reception. This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1 This device may not cause harmful interference.

2 This device must accept any interference received, including interference that may cause undesired operation.

NOTICE: The FCC regulations provide that changes or modifications not expressly approved by Global Display Solutions SpA. could void your authority to operate this equipment.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Relocate the system with respect to the receiver.
- Move the system away from the receiver.
- Plug the system into a different outlet so that the system and the receiver are on different branch circuits.

If necessary, consult a representative of NCR Corporation or an experienced radio/television technician for additional suggestions.

The following information is provided on the device or devices covered in this document in compliance with the FCC regulations:

- Product name: 15" Std Bright LCD Monitor
- Model number: G1500194 (CD15270TBX/24)
- Company name: Global Display Solutions SpA

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Safety Instructions

This model is a LCD display module for building into other equipment. It must be used for no other purpose.

Read the Safety Instruction carefully and keep it for use later.

Beware of all warning and instruction signs marked on the monitor.

The monitor is designed as a display component for building into other equipment. It must be used for no other purpose.

The chassis metalwork of the module must be properly bonded to the main earthing termination in Class I equipment.

Care must be exercised in the application of this monitor to prevent overheating. Ensure that the ambient temperature around the module does not exceed 50^{o}C and provide adequate means of ventilation to achieve this.

When cleaning, cut off the electrical supply at all times. Never use liquid or aerosol detergent, use a soft damp cloth instead.

Never insert anything metallic into the monitor openings. This may create an electric shock hazard.

To avoid electric shock, never touch the inside of the monitor. Only a qualified technician should open the monitor's case.

Openings in the monitor cabinet are to allow for ventilation. To prevent overheating, these openings should not be blocked or covered.

Do not expose the LCD to rain or use it near water. If the LCD accidentally gets wet, disconnect it from electrical supplies immediately.

If the LCD does not operate normally - in particular, if there are any unusual sounds or smells coming from it - disconnect it immediately.

Do not put pressure on the LCD panel screen because it is very fragile.

Do not touch the LCD panel with bare hands, the grease from skin is difficult to remove and may damage the screen.

Always handle the LCD monitor with care when moving it.

Take care that the monitor is disposed of correctly at the end of its life. The CCFL lamps used in the monitor contain mercury. If in doubt refer to local ordinances or regulations for proper disposal.

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Cleaning the LCD Colour Monitor

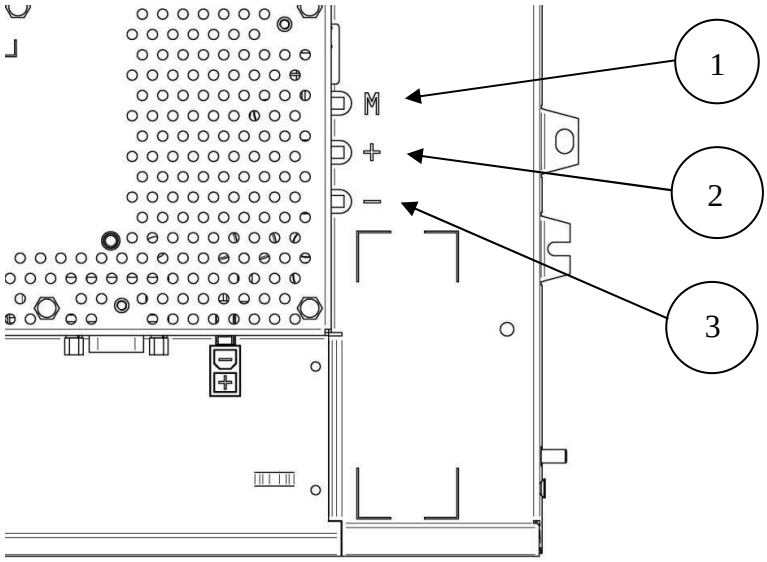
1. To clean the LCD panel:
   - Wipe the screen gently with a clean lens brush made of camel hair, or a soft, clean, lint free cloth. This is to remove dust and other particles without scratching the LCD panel.
   - If it is still not clean, then wipe with a damp lint free cloth and blow on it to dry.

2. Do not clean the panel with keton-type material (e.g. acetone), ethyl, toluene, ethyl acid, methyl, or chloride. These may damage the panel.

3. Do not apply pressure to the panel.

Controls

The controls are three buttons found on the rear of the unit.



Button 1 (Menu) Displays the main menu and the other sub-menus.
Selects the chosen setting or function, and afterwards saves it.
Button 2 (+) Scrolls up the menu and adjusts the level of the control.
Button 3 (-) Scrolls down the menu and adjusts the level of the control.

To make picture adjustments, initially pressing the “Menu” button to bring up the OSD Main Menu. Then, pressing the “-” or “+” button scroll through the Main Menu to highlight the various functions. Pressing ”Menu” again selects the required command/sub menu.

If an adjustment has been made, there is no need to use a store command for this new setting as this will occur automatically.

To exit the menu, select EXIT within the menu structure. If no buttons have been pressed for a short period of time, the menu will automatically disappear from the screen.

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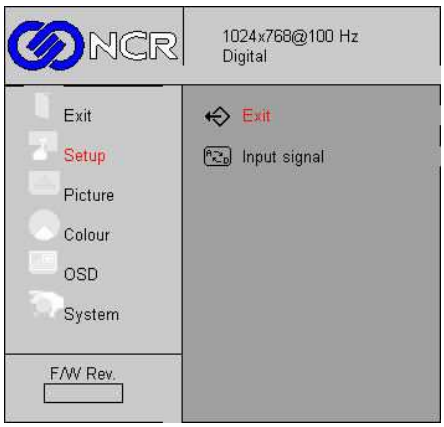
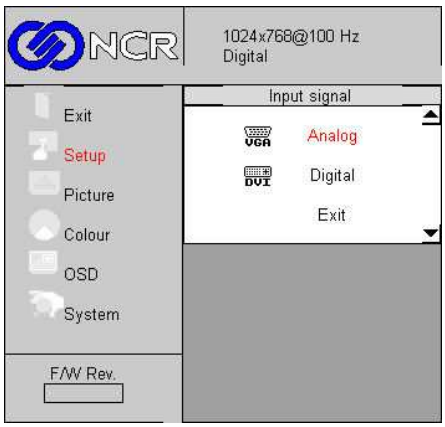
On-Screen Display Menu

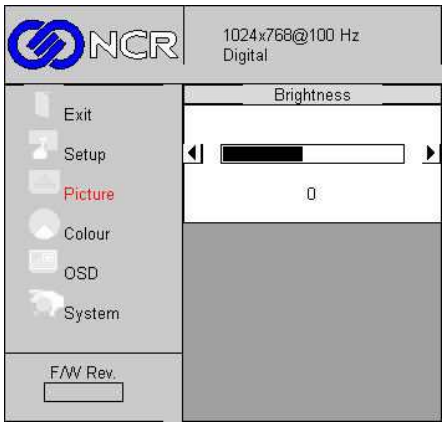
Exit:

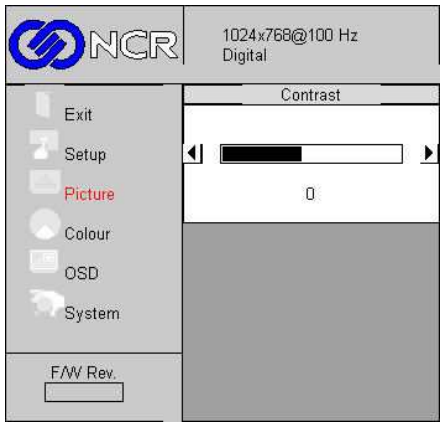
Setup:





Picture:





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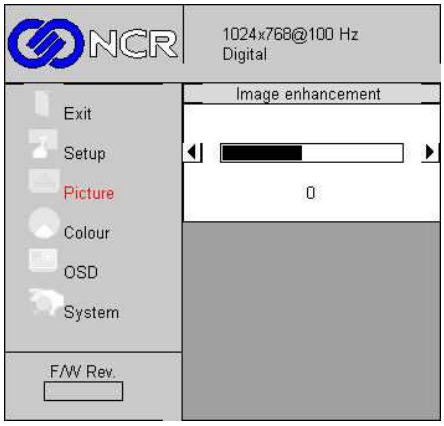
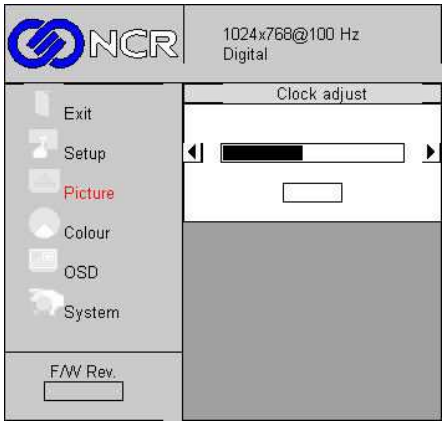
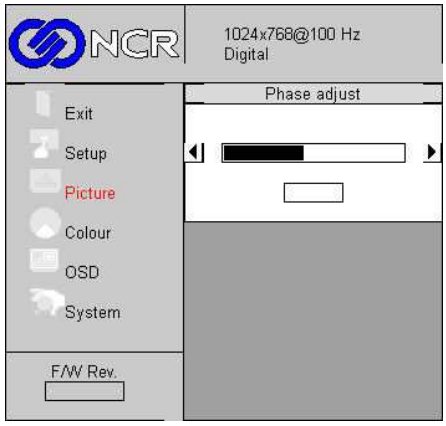
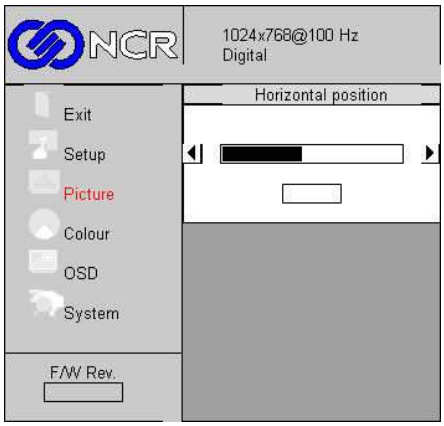
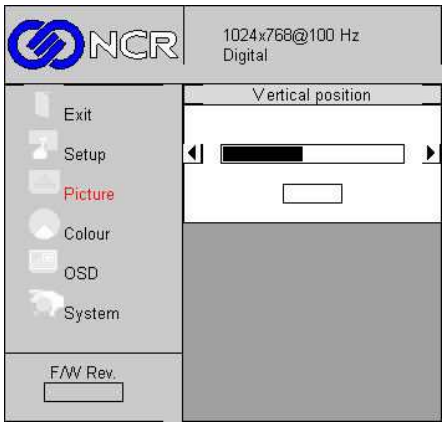


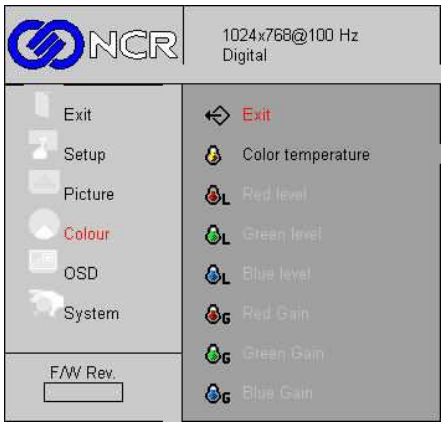


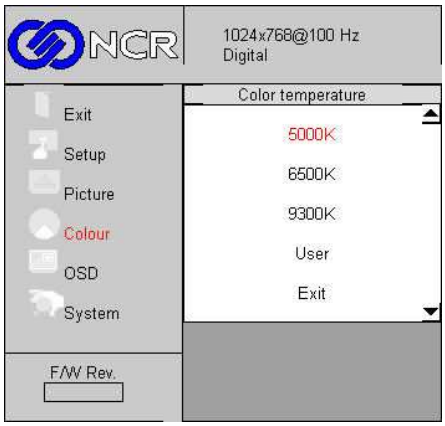


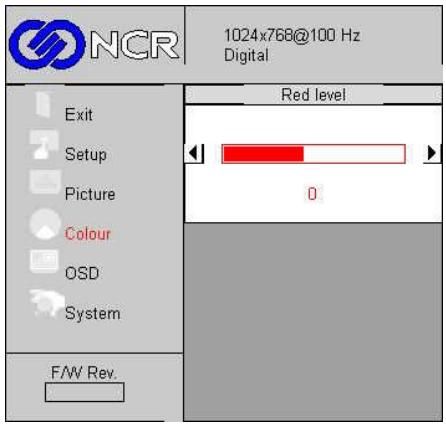




Colour:







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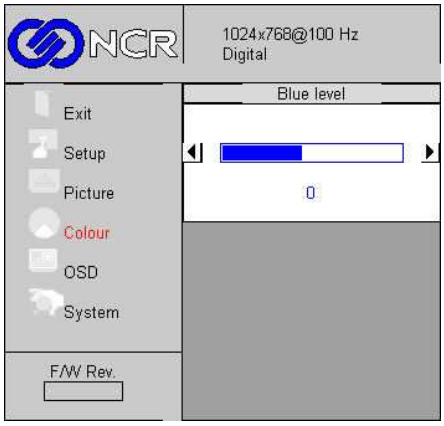
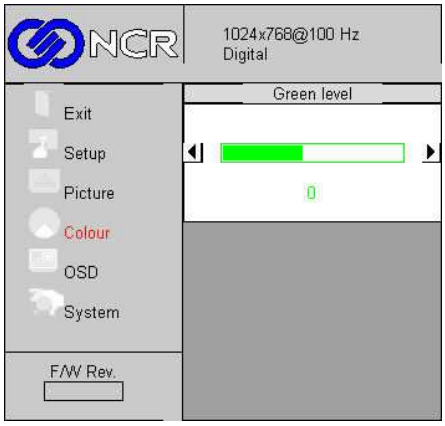
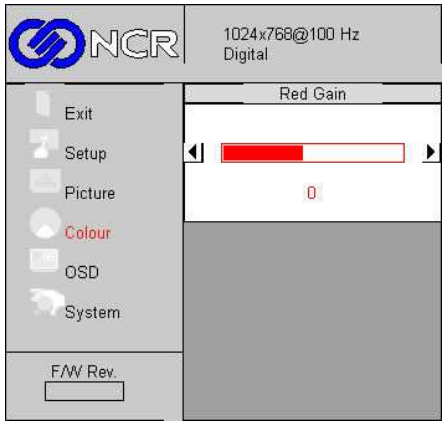
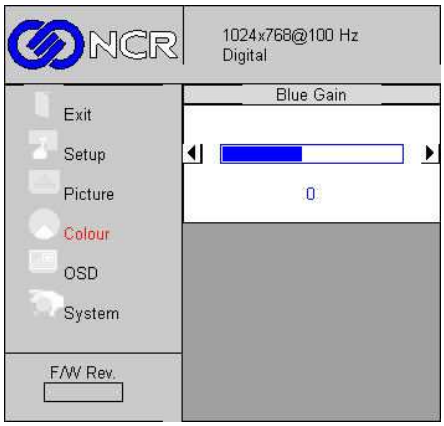
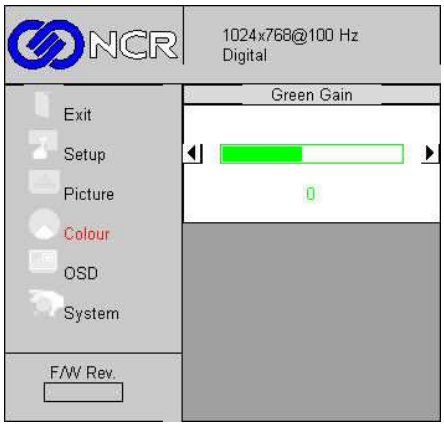


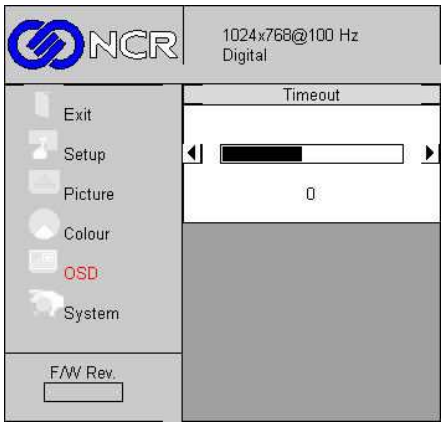


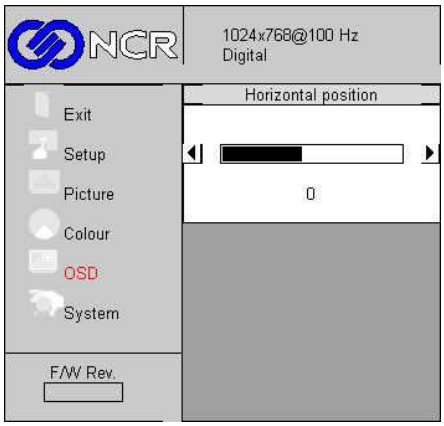






OSD:





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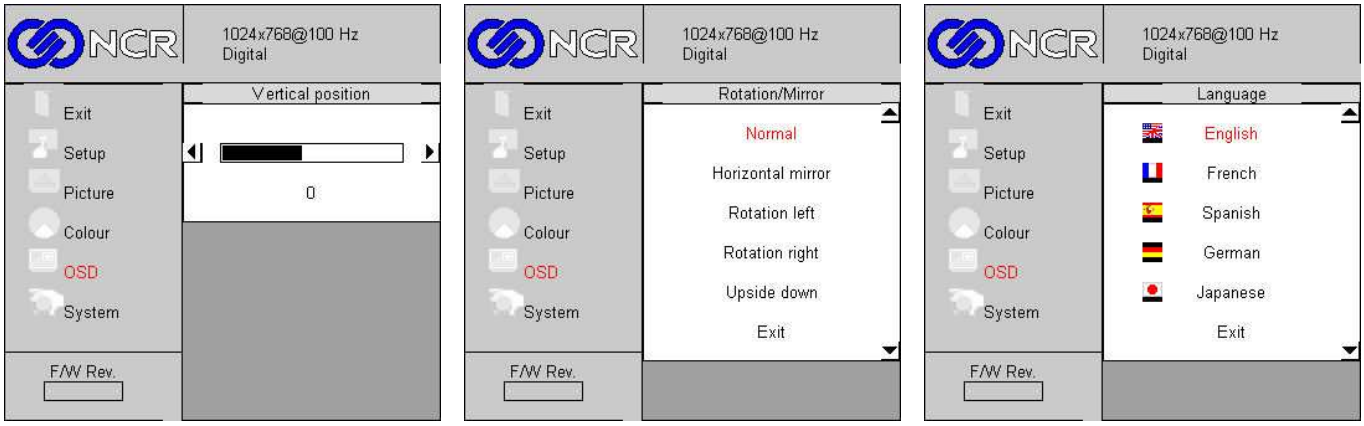
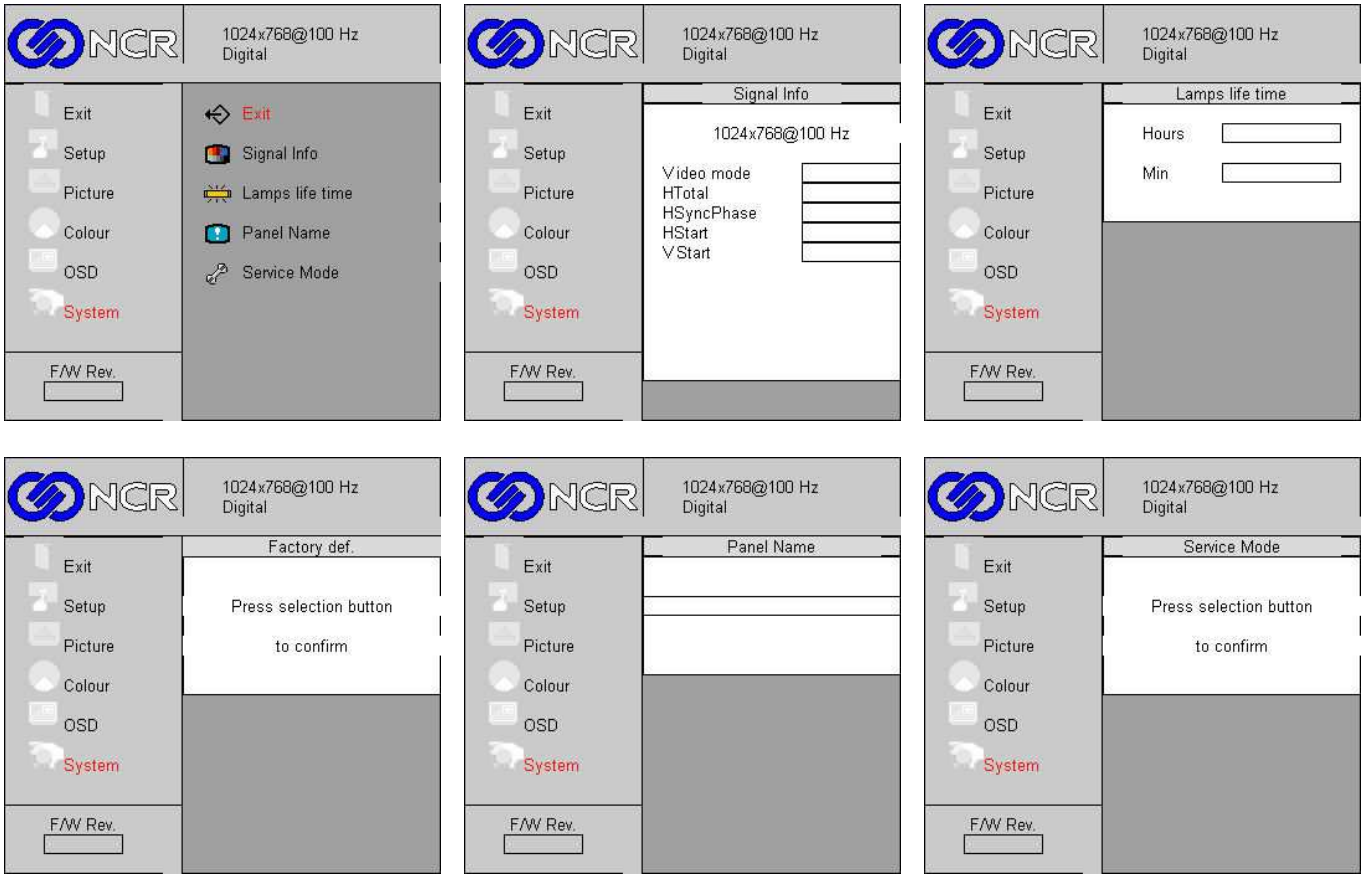


System



After picture adjustments have been optimized, the settings are memorised automatically. The OSD menu will disappear after 10 seconds of inactivity (timeout adjustable through the OSD menu) or the OSD can be exited by selecting EXIT.

- **Brightness:** regulates the overall level of white light viewable on the screen.
- **Contrast:** controls the range between black and white of the image on the screen.

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Specifications

LCD Panel:	15” AUO G150XG01 V1
Brightness:	350 cd/m^2 typical
Contrast:	700/1 typical
Active Display:	Horizontal: 304.1mm Vertical: 228.1mm
Video Signal:	Analogue RGB (0.7Vp-p positive into 75Ω)
Sync signal:	Separate LVDS sync.
Mechanical Dimensions:	348 (W) x 263 (H) x 44 (D) mm
Weight:	2.0 Kg
Temperatures:	Operating temp: from 0 to 50ºC @ 95% RH or less Storage temp: from -25 to 60ºC @ 95% RH or less

Display Modes

The monitor will accept the following display modes:

	Resolution	Frequency		Phase	Hor Width	Hori - Pos	Vert –Pos
		Hori (KHz)	Vert (KHz)				
PIV0740	720 x 400	31.5	70	50	900	158	35
PIV0660	640 x 480	31.5	59.9	46	800	140	34
PIV0672	640 x 480	37.9	72	59	832	164	30
PIV0675	640 x 480	37.5	75	50	840	180	18
PIV0856	800 x 600	32.5	56	12	1024	196	23
PIV0860	800 x 600	37.9	60.3	55	1056	212	26
PIV0872	800 x 600	48	72	42	1040	180	28
PIV0875	800 x 600	46.9	75	35	1056	236	23
PIV1060	1024 x 768	48.4	60	14	1344	292	34
PIV1070	1024 x 768	56.5	70	55	1328	275	34
PIV1075	1024 x 768	60	75	55	1312	267	30
PIV1260	1280 x 1024	64	60	26	1688	355	40
PIV1275	1280 x 1024	80	75	40	1688	386	40

Note that the display is capable of displaying a 12.1” scaled image.
The monitor meets the VESA EDID and plug and play (DDC) standards.

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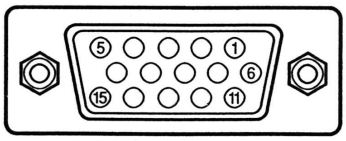
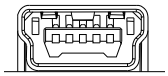
Pin Assignments

Signal - Analogue: 15 way HD VGA connector

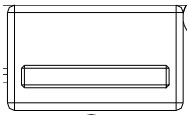
Pin	Function	Pin	Function
1	Red video	9	+5V supply (DDC)
2	Green video	10	Sync ground
3	Blue video	11	Monitor ID bit 0
4	Monitor ID bit 2	12	SDA (DDC data)
5	Ground	13	Horizontal sync.
6	Red video ground	14	Vertical sync.
7	Green video ground	15	SCL (DDC data)
8	Blue video ground		



USB Mini B connector

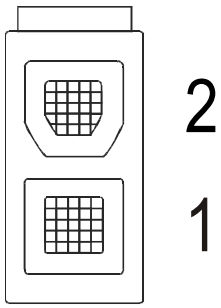


USB Standard connector



Power connector:

Pin	Function
1	+24VDC
2	Ground



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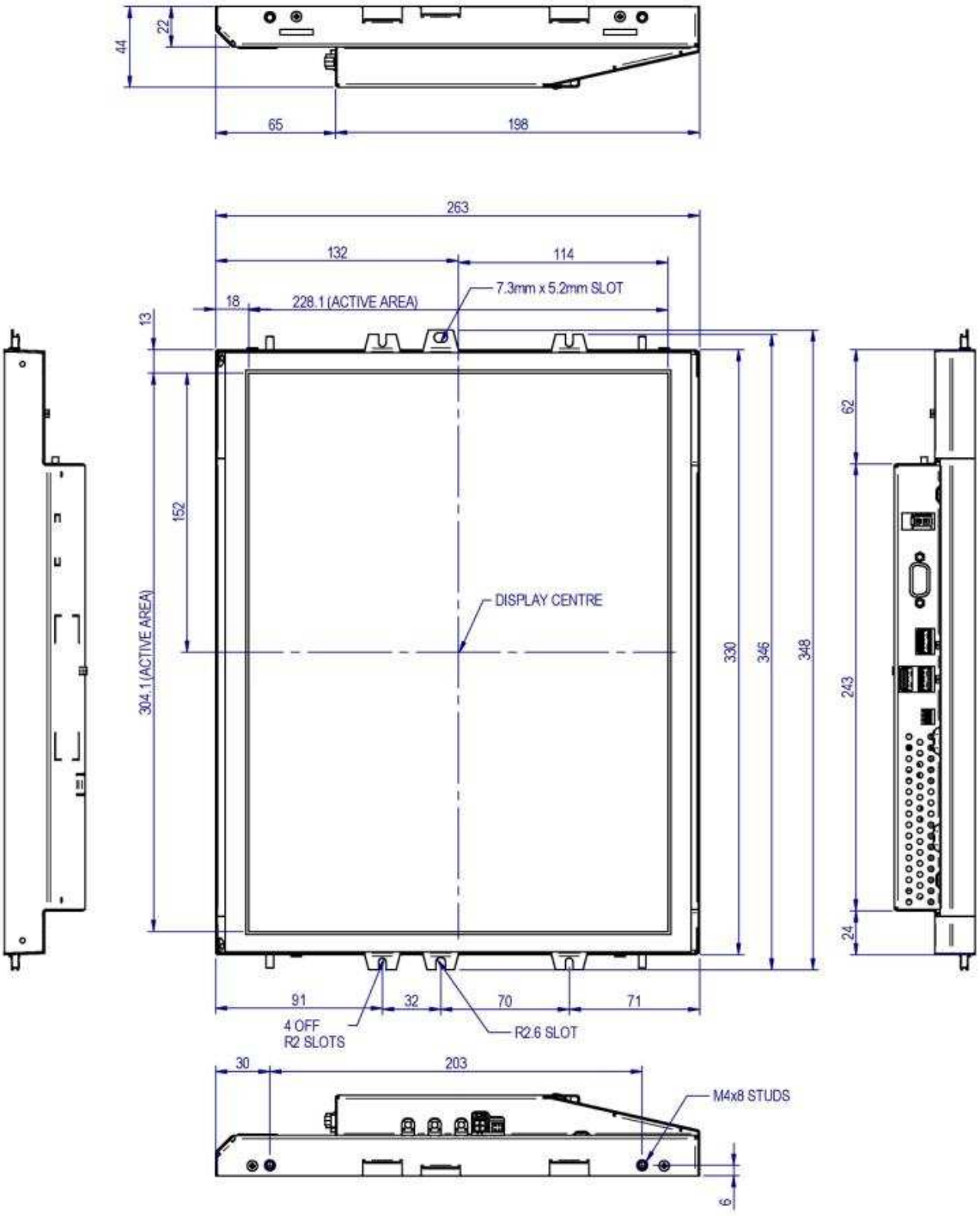
Mechanical Drawings



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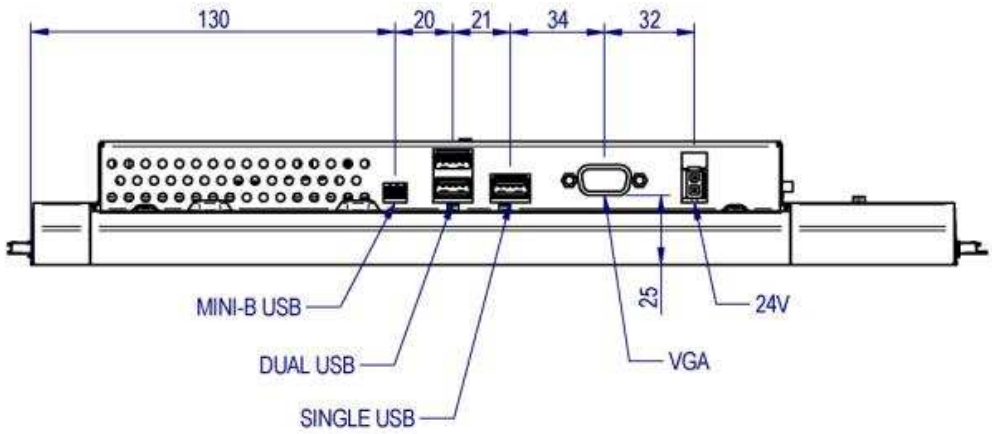
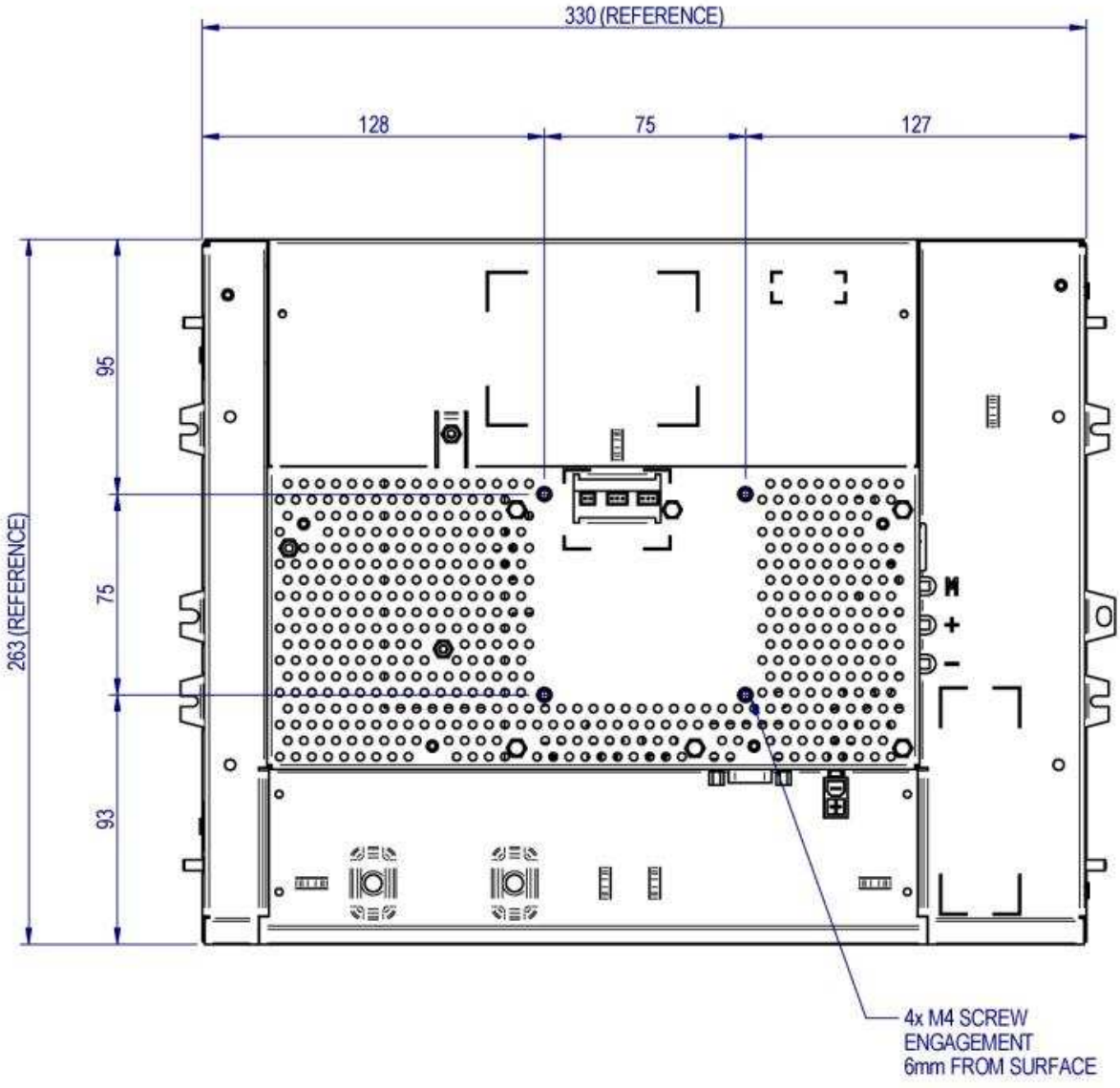
Mechanical Drawings cont:





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