# AUTO - SCANNING WITH DIGITAL CONTROL LCD COLOR MEDICAL MONITOR

AMM215WTD

Operation Manual

For future reference, record the serial number of your display monitor in the space below :

Serial Number ⬚

The serial number is located on the back of the monitor

Back of the Monitor

WARNING
The title «WARNING» is used to inform the users of possible causes that could inflict the injury, death, or property damage to the patients.

CAUTION
The title «CAUTION» is used to inform the users of possible causes that could inflict the patients although it might not severe enough to cause death.

NOTE
The title «NOTE» is used to inform the users of items that are of importance in terms of installation, operation, or maintenance of the Equipment although the failure does not inflict the bodily harm to the patients.

Barco, Inc.
All other trademarks are the property of their reference owners.
This document is subject to change without notice.
Barco provides this information as reference only. Reference to other vendor's products does not imply any recommendation or endorsement.

Revision Control

Revision : L

Table of Contents

Product Description

Please check the following items are present when you unpack the box, and save the packing materials in case you will need to ship or transport the monitor in future.

- AMM215WTD LCD Monitor and two video cables
  (1) HD15 VGA cable (1) DVI-I cable

- AC Power cord*

- AC-Adapter

⚠ CAUTION
Model No : JMW1100KB1300F02
            (Bridgepower)

- Composite Video BNC Jack Cable, and Super Video Cable.
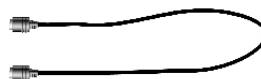
- User Manual, Quick Reference Guide and 4pcs VESA screws

- Cable Cover

*Might vary pending on region standard

Warnings and Cautions

Please read this manual and follow its instructions carefully. The words warning, caution, and note carry special meanings and should be carefully reviewed:

⚠	**Warning**	**The personal safety of the patient or physician may be involved. Disregarding this information could result in injury to the patient or physician.**
	Caution	**Special service procedures or precautions must be followed to avoid damaging the instrument.**
	Note	Special information to make maintenance easier or important information more clear.
⚠		An exclamation mark within a triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the product.
⚡		A lightning bolt within a triangle is intended to warn of the presence of hazardous voltage. Refer all service to authorized personnel.
⚠	**Warning**	**TO AVOID POTENTIAL SERIOUS INJURY TO THE USER AND THE PATIENT AND/OR DAMAGE TO THIS DEVICE, THE USER MUST :**

Warranty is void if any of these warnings are disregarded.

Barco, Inc. accepts full responsibility for the effects on safety, reliability, and performance of the equipment only if:
• Re-adjustments, modifications, and/or repairs are carried out exclusively by Barco, Inc..
• The electrical installation of the relevant operating room complies with the applicable IEC and CE requirements.

Warning   Federal law (United States of America) restricts this device to use by, or on order of a physician.

The Barco, Inc. AMM215WTD monitor has been tested under UL (ANSI/AAMI ES 60601-1) standard and UL listed for Medical application.

Barco, Inc. reserves the right to make improvements in the product(s) described herein. Product(s), therefore, may not agree in detail to the published design or specifications. All specifications are subject to change without notice. Please contact Barco, Inc. directly or phone your local Barco, Inc. sales representative or agent for information on changes and new products.

Warnings

1. Read the operating manual thoroughly and be familiar with its contents prior to using this equipment.
2. Carefully unpack the unit and check if any damage occurred during shipment.
3. Should any solid object or liquid fall into the panel, unplug the unit and have it checked by qualified personnel before operating it any further.
4. Uplug the unit if it is not to be used for an extended period of time. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
5. Be a qualified physician, having complete knowledge of the use of this equipment.
6. Test this equipment prior to a medical procedure. This monitor was fully tested at the factory before shipment.
7. Avoid removing covers on control unit to avoid electric shock.
8. Attempt no internal repairs or adjustments not specifically detailed in this operating manual.
9. Pay close attention to the care, cleaning instructions in this manual. A deviation may cause damage (refer to the Cleaning section).
10. DO NOT STERILIZE MONITOR.
11. Read the entire instruction manual before assembling or connecting the camera.
12. Do not place the monitor or any other heavy object on the power cord. Damage to the cable can cause fire or electirc shock.
13. Monitor with power supply is suitable for use in patient environment.
14. DO NOT stack more than 3 boxes high
15. To avoid the risk of electric shock, this equipment must only be connected to a supply mains with protective earth.
16. The device has no means to be incorporated in an IT-network in the clinical environment.
17. The enclosure has to be checked upon collision damage, refer to qualified service personnel.
18. The protective screen is made of tested high-resistance PMMA (polymethyl methacrylate). Nonetheless there is the possibility that it may crack if subject to strong impacts. Evaluate and prevent the risk of possible breakages of the protective screen by correctly handling and positioning the monitor in the operating room.

FCC class B

This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a typical medical installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to other devices in the vicinity. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to other devices, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving device.
• Increase the separation distance between the equipment.
• Connect the equipment to an outlet on a circuit different from that to which the other device(s) are connected.
• Consult the manufacturer or field service technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Because many medical offices are located in residential areas, this monitor, in addition to the medical requirements, has also been tested and found to comply with the limits for FCC Class B computing devices in

a typically configured system. It is the system integrator or configurer's responsibility to test and ensure that the entire system complies with applicable EMC laws.

Cautions

1. The AC Adapter must be plugged into a Grounded power outlet.
2. Use only the proprietary AMM215WTD power supply for the AMM215WTD monitor. Make a proper connection by ensuring that the shrink tubing completely secures the connection between the DC power cord and the extension cord.
3. Turn power off when unit is not in use.
4. Never operate the unit right after having transported from a cold location directly to a warm location.
5. Do not expose the monitor to moisture or directly apply liquid cleaners directly to the screen. Spray the cleaning solution into a soft cloth and clean gently.
6. Handle the monitor with care. Do not strike or scratch the screen.
7. Do not block the monitor cooling vents. The monitor is cooled by natural convection and has no fan.
8. Do not force the monitor past 28 degrees of vertical when adjusting the screen position. (For monitors equipped with stands only.)
9. Remove the power module and connection when transporting the unit.
10. Save the original carton and associated packing material. They will be useful should you have to transport or ship the unit.
11. Allow adequate air circulation to prevent internal heat buildup.
12. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation slots.
13. Do not install the unit near sunlight, excessive dust, mechanical vibration or shock.
14. The unit is designed for operation in a horizontal position. Never operate the unit in a vertical position.
15. Keep the unit away from equipment with strong magnets (i.e. a large loudspeaker.)
16. Do not expose the monitor to moisture or excessive dust.
17. Equipment with SIP/SOP connectors should either comply with IEC 60601-1 and/or IEC 60601-1-1 harmonized national standard or the combination should be evaluated. Do not touch the patient with signal input or output connectors.
18. Use only a hospital grade power supply cord.
19 Grounding reliability can only be achieved when the equipment is connected to an equipment receptacle labeled "Hospital Only" or "Hospital Grade."
20. The products have Lower breaking capacity type. So do not install at the building power system prospective short-circuit current exceeding 35 A.
21. Disconnecting of the power cord from the AC/DC Adaptor is the proper means of isolation from the supply mains.

Note   To connect to an international power supply, use a an attachment plug appropriate for the power outlet.

Note   Refer to the "Electromagnetic Compatibility" (EMC) section of this manual to ensure EMC. The AMM215WTD must be installed and operated

according to the EMC information provided in this manual.

Symbol Definitions

⚡	Dangerous: High Voltage	⏚	Indicates Protective Earth Ground.
---	Direct Current	🏠	For Indoor Use Only.
SN	Serial Number	FC	Indicates compliance with Part 15 of the FCC rules (Class A or Class B)
↑↑	This Way Up	⏻	Stand-By
⚲	Fragile, Handle with Care	VCI	Tested to Comply with Japan VCCI Certification
	Stacking Limit by Number	CCC	Tested to Comply with China CCC Certification
☂	Keep Dry	EAC	Mark for CU Countries-Russia,Kazakhstan, Belarus
♻	Recyclable		
📖	Consult the instruction for use	10	China RoHS symbol. Number indicates EFUP(Environmental Friendly Use Period) from the date of manufacturing.
CE	Complies with the requirements of the applicable EC directives/regulations		
MD	Indicates the medical device	c(UL)us Medical Equipment	Indicates the device is approved according to the UL regulations for Canada and US
UDI	Indicates the unique device identification		
▲	Legal manufacturer	IP23	Tested to Comply with IP (Ingression Protection) Rating
	manufacturing date		
🌐	Indicates the entity importing the medical device into the locale	☒	WEEE symbol for recyclable product. Please do not throw the product with this symbol in the bin.
EC REP	Authorized European representative	Rx ONLY	Caution: Federal law (United Stated of America) restricts this device to sale by or on the order of a licensed

EU Declaration of Conformity for Medical Applications

A Declaration of Conformity has been filed for this product. A sample of this document may be found in the addendum which accompanies this manual. For a copy of the Declaration of Conformity document, please contact Barco, Inc.. and request the AMM215WTD DOC.

Prepare to Unpack Monitor

Before you unpack your monitor, prepare a suitable workspace. You need a stable and level surface near a grounded wall outlet in an area which is relatively free of glare from sunlight or other sources of bright light. The monitor is cooled by natural convection (it has no fan). For optimum performance, do not block the cooling vents.

While unpacking the monitor, inspect it and other package contents for shipping damage that could cause a fire or shock hazard. Immediately report any shipping damage to the carrier or transportation company and contact customer service for monitor in case of return.

After you unpack the monitor, make sure the following items are included

- Monitor with video cable

- AC adapter with cable
  ⚠ CAUTION: AC Adapter must be plugged into Grounded a power outlet

  ⚠ CAUTION : AC adapter
  Model No: JMW1100KB1300F02 (Bridgepower)

- This operation manual

⚠ Note: Your system provider may offer alternative cords or cables depending on the installation requirement and local geography issues.

Safety Precaution

·   Avoid placing the monitor, or any other heavy object, on the power cord
    to prevent fire or electrical shock from damage to the power cord.

·   Do not expose the monitor to rain, excessive moisture, or dust to avoid
    fire or shock hazard.

·   Do not cover the slots or openings of the monitor for proper heat
    dissipation. Always put the monitor in a place where there is adequate
    ventilation.

·   Avoid placing the monitor against a bright background or where sunlight
    or other light sources may reflect on the area of the monitor. Place the
    monitor just below eye level.

·   Handle with care when transporting the monitor.

·   Refrain from giving the shock or scratch to the screen, as screen is
    fragile.

General recommendations

Keep the monitor clean to prolong its operational lifetime.

LCD panel performances may deteriorate in the long-term. Periodically check that it is correctly operating.

· Periodically check the tightness of the VESA mount screws. If not sufficiently tight, the monitor may detach from the arm, which may result in injury or equipment damage.

Cleaning the Monitor

No specific liquid or chemical necessary when cleaning this LCD monitor However, we suggest to clean the monitor with non-abrasive cloths and cleaning solutions used in hospitals to clean similar equipment. We recommend using 70% isopropyl alcohol for the screen surface and warm water and a mild detergent for all other surfaces. Other acceptable cleaning agents are listed below:

  • 70% isopropyl alcohol
  • Cidex (2.4% glutaraldehyde solution)
  • 0.5% Chlorhexidine in 70% isopropyl alcohol

To clean the screen, do not spray liquid cleaners directly on to the unit. Stand away from the monitor and spray cleaning solution onto a cloth. Without applying excessive pressure, clean the screen with the slightly dampened rag
.

Preventive maintenance

With the monitor disconnected from mains perform the following periodical check:
Check the integrity of the power cord and inspect its routing, so that it is not under the risk of being punched or cut.

· Check the integrity of the Protective Earth connection.

· Clean the area around the power plug, dust and liquids may result in fire.

· Clean the ventilation slot of the monitor, dust can obstruct the air flow and cause temperature increase of the electronics.

Recommendation to Use More Than One Unit

An unforeseen situations can occasionally occur for the Monitor, when the display is used pleased use a safety control. It is strongly recommended you use more than one unit or prepare a spare unit in case ther is an emergency.

On Burn-in

Permanent burn-in may occur frm the following
• Displaying color bar or static images repeatedly or for long period of time.
• Using the unit repeatedly in high temperature/ high humidity environment
• Displaying an image smaller than the monitor continuously.

To reduce the risk of burn- in, it is recommended to turn off the power of the unit, and reduce the brightness when the unit is not use.

Power Management Function

The monitor is equipped with the power management function which automatically reduces the power consumption when not in use in three power level modes.

• **Stand-by Mode**
Power Management System

The AMM215WTD Medical Monitor power management proposal provides four phases of power saving modes by detecting the horizontal sync signal as shown in the table below.

State	Normal Operation	DPMS Standby	DPMS Suspend	DPMS Off
Horizontal Sync	Active	Inactive	Active	Inactive
Vertical Sync	Active	Active	Inactive	Inactive
Video	Active	Blanked	Blanked	Blanked
Power Indicator	Green	Green Flashing (1 sec. Interval)	Green Flashing (1 sec. Interval)	Green Flashing (1 sec. Interval)
Power Consumption	40 W	8 W	8 W	8 W

When the monitor is power saving mode or detects an incorrect timing, the screen will be blank and power LED indicator will blink.

PRESET MODES

DVI and VGA Input Signal Formats

Resolution	Horizontal frequency (KHz)	Vertical frequency (Hz)	Pixel clock (MHz)
640 x 350 @70Hz	31.469	70.087	25.175
640 x 480 @60Hz	31.469	59.940	25.175
640 x 480 @75Hz	37.500	75.000	31.500
800 x 600 @56Hz	35.156	56.250	36.000
800 x 600 @60Hz	37.879	60.317	40.000
800 x 600 @75Hz	46.875	75.000	49.500
1024 x 768 @60Hz	48.363	60.004	65.000
1024 x 768 @70Hz	56.476	70.069	75.000
1024 x 768 @75Hz	60.023	75.029	78.750
1152 x 864 @60Hz	54.348	60.053	80.000
1152 x 864 @70Hz	63.955	70.016	94.200
1152 x 864 @75Hz	67.500	75.000	108.000
1280 x 1024 @60Hz	63.981	60.020	108.000
1680 x 1050 @60Hz	64.742	59.946	119.125
1680 x 1050 @60Hz	65.160	59.944	147.000
1600 x 1200 @60Hz	74.077	59.981	130.375
1920 x 1080@60Hz	67.500	60.00	148.500

Video Signals

Format	DVI 1/2	VGA	C-Video	Y/C	SDI	Component Y/Pb/Pr	Component RGB+ CS	Component RGB+ HV
NTSC *1			O	O				
PAL *2			O	O				
480/59.94i		O			O		O	
480/59.94p						O	O	O
576/50i		O			O		O	
576/50p	O	O				O	O	O
720/50p	O	O			O	O	O	O
720/59.94p	O	O			O	O	O	O
720/60p	O	O			O	O	O	O
1080/23.98p *4		O			O	O	O	O
1080/24p *4		O			O	O	O	O
1080/25p *4	O	O			O	O	O	O
1080/29.97p *4	O	O			O	O	O	O
1080/30p *4	O	O			O	O	O	O
1080/50i *4	O	O			O	O		
1080/59.94i *4	O	O			O	O		
1080/60i *4	O	O			O	O		
1080/50p	O	O			O *3			
1080/60P	O	O			O *3			

*1 NTSC-M, NTSC-433
*2 PAL-BDGHI, PAL-M, PAL-N, PAL-60
*3 3G-SDI signal
*4 When a signal is changed 1080/23.98~30p to 1080/50i~60i (or vice versa), the input searches
for a new timing by pressing the rotary knob.

*PIP / POP / PBP Function**

The following combination options are available to you:

Main ＼ PIP	DVI 1	DVI 2	SDI	Component / RGBs	VGA	Y/C	C-VIDEO
DVI 1			O	O	O	O	O
DVI 2			O	O	O	O	O
SDI	O	O		O	O		
Component/ RGBs	O	O	O			O	O
VGA	O	O	O			O	O
Y/C	O	O		O	O		
C-VIDEO	O	O		O	O		

*When the frame frequency of the main screen is different from that of the sub screen, the picture may be disturbed.

*When both main and sub screens input interlace signals, the picture may be disturbed.

DDC

To make your installation easier, the monitor is able to Plug and Play with your system if your system also supports DDC protocol. The DDC (Display Data Channel) is a communication protocol through which the monitor automatically informs the host system about its capabilities, for example, supported resolutions and corresponding timing. The monitor supports DDC1 and DDC2B standard.

Installation

To install the monitor to your host system, please follow the steps as given below:

Steps

1. Use the supplied video cable (DVI, VGA, S-Video, C-Video) then connect to the host system accordingly.
2. Connect the DC power to the DC power connector on the monitor.
3. Connect one end of AC power cord into the AC Adapter and the other end to AC power outlet.
4. Then turn the host system on and then the monitor.
5. If the monitor still does not function properly, please refer to the troubleshooting section to diagnose the problem.
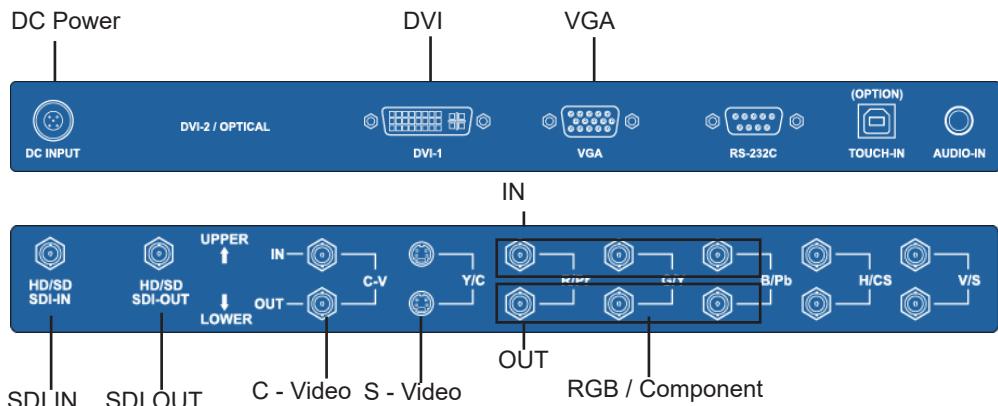
Connecting the Power Cord

* Check first to make sure that the power cord in use is the correct type required for the area.

* This monitor has an universal AC adapter that allows operation in either AC 100 - 240 V ac voltage area. No user-adjustment is required.

* Plug one end of the power cord to the AC adapter, plug another end to a proper AC outlet.

The cord set should have the appropriate safety approvals for the country in which the equipment will be installed and marked HAR.

For 120 volt Applications, use only the UL Listed detachable power cord with NEMA configuration 5-15P type (parallel blades) plug cap. For 240 volt applications use only the UL Listed detachable power supply cord with NEMA configuration 6-15P type (tandem blades) plug cap.

Extension power cord (optional)
Manufacturer: Bridgepower
Part No: C-47D2001P50MF (5ft) or
          C-47D2004P57MF (15ft) or
          Z3404272 (75ft)

Hospital-grade
power cord

Power Supply
Model No: JMW1100KB1300F02

AMM215WTD

User Functions / Messages
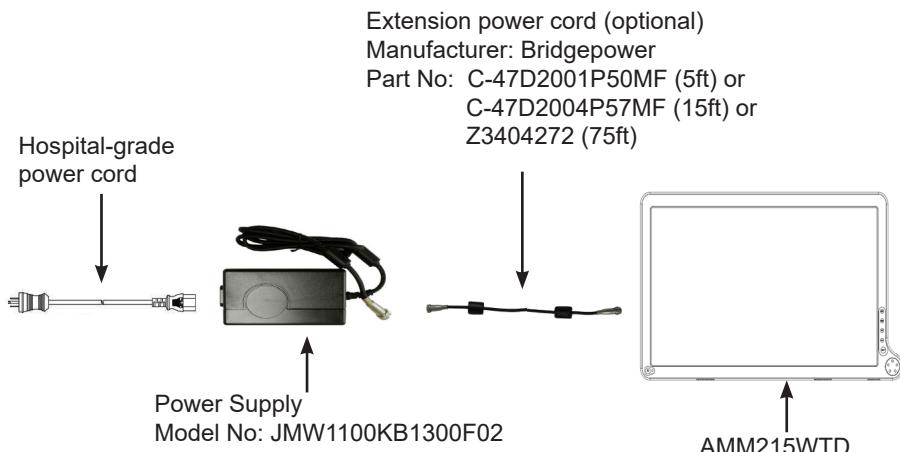
Key Name and Function

Power LED : Lights up to indicate the power is turned ON
Standby Power Button: To power the monitor ON or OFF
Rotary switch : With the OSD menu activated, increases the value of the selected
(Turn Right)   parameters or moves rightward in OSD menu
Rotary switch : With the OSD menu activated, increases the value of the selected
(Turn Left)   parameters or moves leftward in OSD menu
PIP Switch : To enable or disable Picture In Picture function
PBP Switch : To enable or disable Picture By Picture function
POP Switch : To enable or disable Picture On Picture function
Adjust Switch : To activate or deactivate image adjustment in sub screen of PIP,
   PBP, POP mode.
Input Switch : To change the video source.
Power Switch : To turn ON or OFF the system.

Standby Power Button   Rotary Knob S/W(OSD)   PIP SWITCH

Power Switch
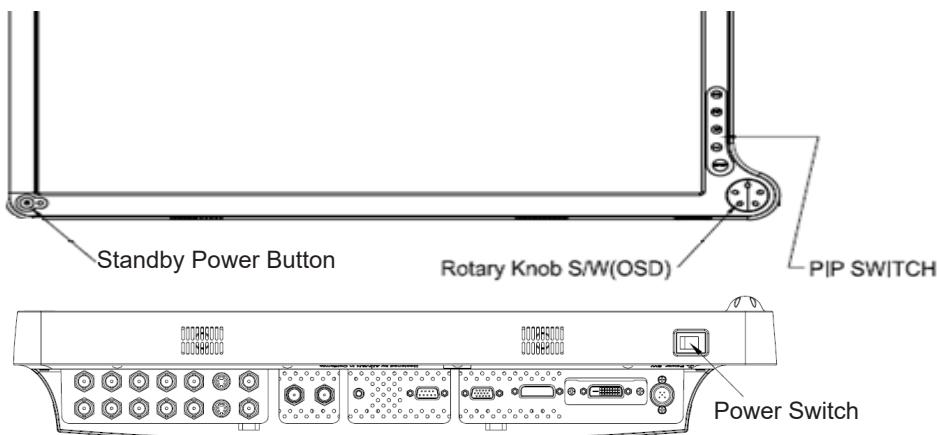
How to Access the Menu.

1. Push the Rotary Knob button to activate the OSD menu.
2. Turn the Rotary Knob to the left or right to select icons. The icon will be
highlighted when selected.
3. Push the Rotary Knob button to go into the another OSD menu.
4. Turn Rotary Knob left or right to select function.
5. In order to exit from the OSD menu, choose the "Exit" icon. Hold the button
around two or three seconds, then it will completely exit from the menu regardless
of where you are.
6. Turn the Rotray Knob button in a quick motion to the left or right, while the menu
is not activated, then input signal menu will turns up with " ✓ "mark which is the cur-
rent available input signal. You can switch to another input signal source by
turning the knob slowly then select the target source by pushing the knob.

OSD Section
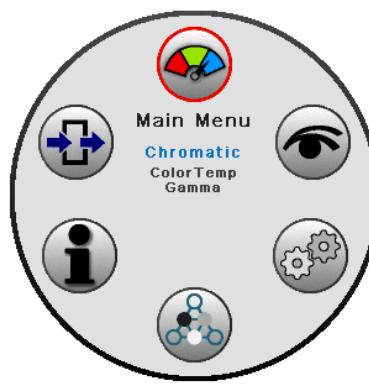
Main Menu

	Chromatic	Adjust Color Temp, Gamma
	Visual	Adjust Brightness, Contrast, Phase, Chroma, Sharpness-V, Sharpness-H
	Setting Frame,	Adjust Scale Mode, Color Space, Speaker Volume, Freeze Zoom / Pan, PIP, POP, PBP
	Advanced	Adjust OSD Position Control, Screen Control, DPMS, Auto Source Select, Smart Select, Restore Factory, Key Lock, Overscan
	Information	Adjust Custom Entry, Serial Number, Runtime, Input Format
	Exit	Exit the menu

OSD Section

  Chromatic

  Color Temp   Change the Color Temperature - D65, D93, S1, S2

  Gamma   Change the Gamma Value - 1.8, 1.9, 1.95, 2.1, 2.1S, 2.2, 2.3, 2.4, 2.4S, S0, Radiograph

  Exit   Exit the Menu

  Visual

  Brightness   Adjust the Brightness of Panel (Range 0 - 100)

  Contrast   Adjust the Contrast of Video (Range 0 - 100)

  Phase   Adjust the Phase of Video (Range 0 - 100)
*   **Available for C and S - video**

  Chroma   Adjust the Chroma of Video (Range 0 - 100)
*   **Available for C and S - video**

  Sharpness-V   Set the Sharpness of Vertical Image (Range 0 - 20)

  Sharpness-H   Set the Sharpness of Horizontal Image (Range 0 - 20)

  Exit   Exit the Menu

OSD Section

Setting

	Scale Mode	Change the Scale Mode - Fill all, One to One, Vertical - Fill, Horizontal - Fill, Fill aspect ratio
	Color Space	Change Color Space Between RGB and YPbPr ***Available for Component and RGBS**
	Speaker Volume	Adjust Volume (Range 0 - 100)
	Freeze Frame	Off / On Freeze Frame
	Zoom / Pan	Enable Zoom - In and Pan Function
	PIP	Enable PIP (Picture In Picture) Function
	POP	Enable POP (Picture On Picture) Function
	PBP	Enable PBP (Picture By Picture) Function
	Exit	Exit the Menu

OSD Section
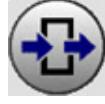
Sub menu of PIP

 Mode   PIP Mode ON / OFF

 Source   PIP Sub Screen Source - DVI 1/2, HD/SD SDI,
                                    Component/RGBS, VGA, S-Video, C-Video

 Position   PIP Sub Screen Position - Top L, Top R, Bottom L, Bottom R

 Size   PIP Sub Screen Size - Small, Medium, Large

 Blending   PIP Sub Screen Blending (Range 0 - 20)

 Swap   PIP Sub Screen Swap

 Exit   Exit the Menu

Sub menu of PBP

 Mode   PBP Mode ON / OFF

 Source   PBP Sub Screen Source - DVI 1/2, HD/SD SDI
                                    Component/RGBS, VGA, S-Video, C-Video

 Swap   PBP Sub Screen Swap

 Exit   Exit the Menu

OSD Section

Sub menu of POP

	Mode	POP Mode ON / OFF
	Source	POP Sub Screen Source - DVI 1/2, HD/SD SDI, Component/RGBS, VGA, S-Video, C-Video
	Position	POP Sub Screen Position - Top L, Top R, Bottom L, Bottom R
	Size	POP Sub Screen Size - Small, Medium, Large
	Blending	POP Sub Screen Blending (Range 0 - 20)
	Swap	POP Sub Screen Swap
	Exit	Exit the Menu

OSD Section

Advanced

OSD Position Control — Change the OSD Menu - H and V Position Background, OSD Time Out, Language

Screen Control — Control and Adjust H and V position, Freqency, Phase Noise Reduction, Motion Offset

DPMS — Change the DPMS

Auto Source Select — Adjust Auto Source Select Between On and Off

Smart Select — Enable / Disable Smart Select Sub Menu

Restore Factory — Changes All OSD Value to Factory Outgoing Status

Key Lock — Set to Key Lock Mode

Overscan — Adjust Overscan Ratio

Exit — Exit the Menu

OSD Section

Sub Menu of OSD Control

	H-position	Adjust OSD H - Position (Range 0 - 100)
	V-position	Adjust OSD V - Position (Range 0 - 100)
	Back ground	Adjust Transparency of OSD Background (Range 0 - 20)
	OSD Timeout	Adjust OSD timeout - 5s, 10s, 15s, 20s, 1m, 2m
	Language	OSD Language - English, Japanese, Chinese, Korean, French, German
	Exit	Exit the Menu

Sub menu of Screen Control

	H-Position	Adjust Screen H - Position (Range 0 - 100) ***Available for VGA, SDI, Component**
	V-Position	Adjust screen V - Position (Range 0 - 100) ***Available for VGA, SDI, Component**
	Frequency	Adjust Frequency (Range 0 - 100) ***Available for VGA**
	Phase	Adjust Phase (Range 0 - 100) ***Available for VGA**
	Noise Reduction	Noise Reduction (Range 0 - 31)
	Motion Offset	Motion Offset (Range 0 - 100)
	Exit	Exit the Menu

OSD Section

Information

Custom Entry   Change the User or Monitor's Name

SN   Display the Serial Number

Runtime   Display the Total Runtime

Input Format   Display the Current input Resolution and Vertical Frequency
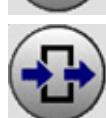
Exit   Exit the Menu

TROUBLESHOOTING

Before sending your LCD monitor for servicing, please check the troubleshooting list below to see if you can self-diagnose the problem.

Problems	Current Status	Remedy
No Picture	Power LED ON	· Using OSD, adjust brightness and contrast to maximum or reset to their default settings.
	Power LED OFF	· Check the Standby Power Button and Power switch.
		· Check if AC power cord is properly connected to the AC adapter.
	Power LED Blinking	· Check if video signal cable is properly connected at the back of monitor.
		· Check if the power to computer system is ON.
Abnormal Picture	Unstable Picture	· Check if the specification of graphics adapter and monitor is in compliance which may be causing the input signal frequency mismatch.
	Display is missing, center shift, or too small or too large in display size	· Using the Screen Control Menu, adjust the Phase, Frequency, Horizontal, and Vertical settings in order to correct the display image.
	Abnormal Picture (When a signal is changed 1080/23.98~30p to 1080/50i~60i or vice versa)	· Press and hold the rotary knob switch in order to search for a new timing.

Specification*

Model	AMM215WTD		
Description	a-Si TFT Active Matrix, LED Backlight		
Active Screen Size	21.46 inches (545.22mm) diagonal		
Resolution	1920 (H) x 1080 (V) @60Hz		
Pixel Pitch	0.2475 mm		
Display Color	16.7M colors		
Color Tone	Up to 256 color tone		
Response Time	<25ms Typ.		
Face Finishing	Protective Filter with Anti-Reflected Hard Coated		
Viewing Angle	R/L 178°, U/D 178° (CR > 10)		
Brightness**	250 cd/m2 (Typ.)		
Contrast Ratio	1000:1 (Typ.)		
Input		**Output**	
Composite Video	BNC x 1	Composite Video	BNC x 1
	1.0 Vp-p		1.0 Vp-p
Y/C Video	4 pin Mini Din x 1	Y/C Video	4 pin Mini Din x 1
	Luminance (Y) : 1.0± 0.1Vp-p		Luminance (Y) : 1.0± 0.1Vp-p
	Chrominance (C) : 0.3± 0.03Vp-p		Chrominance (C) : 0.3± 0.03Vp-p
Component/RGB	BNC x 5 (Y/Pb/Pr , RGBs , R/G/B/H/V)	Component/RGB	BNC x 5 (Y/Pb/Pr , RGBs , R/G/B/H/V)
	RGB: 0.7 ± 0.1 Vp-p		RGB: 0.7 ± 0.1 Vp-p
	Composite Sync : 0.3Vp-p ~ 5Vp-p		Composite Sync : 0.3Vp-p ~ 5Vp-p
	H/V SYNC : TTL Level		H/V SYNC : TTL Level
SDI	3G/HD/SD SDI, BNC x1	SDI	3G/HD/SD SDI, BNC x1
VGA	15pin D-Sub x 1		
	R/G/B : 0.7 ± 0.1 Vp-p		
	H/V Sync : TTL Level (V high ≥2.3V, V low ≤0.5V)		
DVI1	DVI-I x 1		
DVI2 /Optional	DVI-I X 1		
Remote Input	9–pin D-Sub (RS-232C) x 1		
Audio	Audio Input: 500mVrms, 3.5mm Stereo Jack x 1		
	Speaker Out: 1 W x 2 EA		
Scanning Frequency	Horizontal : 31.47~80.0Khz Vertical : 50~85Hz		
General			
Power Adaptor	AC 100 ~ 240V 50-60Hz, 2.0A		
	DC 13V, 6.92A		
Power Consumption	50W		
Dimension	523 (W) x 321 (H) x 110 (D) mm		
Weight	Monitor : 5.46Kg		
	AC adaptor : 720g		
VESA Mounting	100mm x 100mm		
Operating/Storage Environment			
Operating Temperature	32° ~ 95°F (0° - 35°C)		
Operating Humidity	20% ~ 80%, non-condensing		
Storage Temperature	-4° ~ 140°F (-20° - 60°C)		
Storage Humidity	10 ~ 85%RH (without condensation)		
Compliance &Certification			
Safety	UL (ANSI/AAMI ES 60601-1), cUL (CAN/CSA-C22.2 No.6011-M90), EN 60601-1, AS/NZS 3200-1-0. CCC (GB4943.1-2011), CB-ITE (IEC60950-1), IP23 Compliance, CE (Medical Device Class I)		
EMC	FCC (Part 15 Class B), EN60601-1-2 AS/NZS 3200-1-2, VCCI (Class B), CCC (GB9254, GB17625.1),		
Optional Module			
DC Extension Cable	5ft, 15ft, 75ft length		
Base Stand	Adjustable high, swivel and tilt base stand		
Life time	**5 Years**		

* All contents are subject to change without notice.
**Brightness shown is without touch screen or A/R filter installed.

Intended Use

Indication for use:
This device is intended to be used in operation rooms, to display images from endoscopic cameras, room and boom cameras, ultrasound, cardiology, PACS, anesthesiology and patient information by medical practitioners. It is not intended for diagnosis.

Intended usage environment:
• Equipment primarily for use in a health care facility that is intended for use where contact with a patient is unlikely (no applied part).
• The equipment shall not be used with life support equipment.
• The user should not touch the equipment, nor its signal input ports (SIP)/signal output ports (SOP) and the patient at the same time.

Contra-Indications:
This display is not intended to be used for direct diagnosis and therapeutic interventional radiology.

Intended users:
Surgical displays are intended to be used by trained medical practitioners.

Notice to the user and/or patient:
Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established

Classification

Type of protection against electric shock: Class I Equipment.

Degree of protection against the ingress of water: IP23 compliance.

Mode of operation: Continuous

This monitor has been tested to comply with IEC/EN 60601-1, IEC/EN60601-1-2

Environmental conditions for transport and storage:
-           Temperature range within -4° to 140° F (-20° to 60°C)
-           Relative humidity range within 10% to 85%
-           Atmospheric pressure range within 500 to 1060 hPa.

Environmental information

Disposal Information
Waste Electrical and Electronic Equipment

This symbol on the product indicates that, under the European Directive 2012/19/EU governing waste from electrical and electronic equipment, this product must not be disposed of with other municipal waste. Please dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

For more information about recycling of this product, please contact your local city office or your municipal waste disposal service.

For details, please visit the Barco website at: http://www.barco.com/AboutBarco/weee

Turkey RoHS compliance

Türkiye Cumhuriyeti: AEEE Yönetmeliğine Uygundur

[Republic of Turkey: In conformity with the WEEE Regulation] 中国大

陆 RoHS

Chinese Mainland RoHS

根据中国大陆《电器电子产品有害物质限制使用管理办法》（也称为中国大陆RoHS），以下部分列出了 Barco产品中可能包含的有毒和/或有害物质的名称和含量。中国大陆RoHS指令包含在中国信息产业部MCV标准："电子信息产品中有毒物质的限量要求"中。

According to the "Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products " (Also called RoHS of Chinese Mainland), the table below lists the names and contents of toxic and/or hazardous substances that Barco's product may contain. The RoHS of Chinese Mainland is included in the MCV standard of the Ministry of Information Industry of China, in the section "Limit Requirements of toxic substances in Electronic Information Products".

零件项目(名称) **Component name**	有毒有害物质或元素 **Hazardous substances and elements**					
	铅 **Pb**	汞 **Hg**	镉 **Cd**	价铬 **Cr6+**	多溴联苯 **PBB**	多溴二苯醚 **PBDE**
印制电路配件 Printed Circuit Assemblies	x	o	o	o	o	o
液晶面板 LCD panel	x	o	o	o	o	o
外接电(线)缆 External Cables	x	o	o	o	o	o
内部线路 Internal wiring	o	o	o	o	o	o
金属外壳 Metal enclosure	o	o	o	o	o	o
塑胶外壳 Plastic enclosure	o	o	o	o	o	o
电源供应器 Power Supply Unit	x	o	o	o	o	o
文件说明书 Paper Manuals	o	o	o	o	o	o
光盘说明书 CD manual	o	o	o	o	o	o
本表格依据SJ/T 11364的规定编制 This table is prepared in accordance with the provisions of SJ/T 11364. o：表示该有毒有害物质在该部件所有均质材料中的含量均在 GB/T 26572 标准规定的限量要求以下. o: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in GB/T 26572. x：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 标准规定的限量要求. x: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in GB/T 26572.						

在中国大陆销售的相应电子信息产品（EIP）都必须遵照中国大陆《电子电气产品有害物质限制使用标识要求》标准贴上环保使用期限（EFUP）标签。Barco产品所采用的EFUP标签（请参阅实例，徽标内部的编号使用于指定产品）基于中国大陆的《电子信息产品环保使用期限通则》标准。

All Electronic Information Products (EIP) that are sold within Chinese Mainland must comply with the "Marking for the restriction of the use of hazardous substances in electrical and electronic product" of Chinese Mainland, marked with the Environmental Friendly Use Period (EFUP) logo. The number inside the EFUP logo that Barco uses (please refer to the photo) is based on the "General guidelines of environment-friendly use period of electronic information products" of Chinese Mainland

中国RoHS自我声明符合性标志 ／ China RoHS – SDoC mark
本产品符合《电器电子产品有害物质限制使用管理办法》和《电器电子产品有害物质限制使用达标管理目录》的要求。
This product meets the requirements of the "Management Rule on the Use Restriction of Hazardous Substances in Electrical and Electronic Products" and the "Management Catalogue for the Use Restriction of Hazardous Substances in Elecrical and Electronic Products"

 SDoC 绿色自我声明符合性标志可参见电子档文件
The green SDoC mark is visible in the digital version of this document.

RoHS

Directive 2011/65/EC on the restriction of certan hazardous substances in electrical and electronic equipment.

According to what declared by our components suppliers, this product is RoHS compliant.

Electromagnetic Compatibility

Like other electrical medical equipment, the AMM215WTD requires special precautions to ensure electromagnetic compatibility with other electrical medical devices. To ensure electromagnetic compatibility (EMC), the AMM215WTD must be installed and operated according to the EMC information provided in this manual.

⚠ *Caution   Portable and mobile RF communications equipment may affect the normal function of the AMM215WTD*

⚠ *Warning   Do not use cables or accessories other than those provided with the AMM215WTD, as this may result in increased electromagnetic emissions or decreased immunity to such emissions.*

⚠ *Warning   If the AMM215WTD is used adjacent to or stacked with other equipment, observe and verify normal operation of the AMM215WTD in the configuration in which it will be used prior to using it in a surgical procedure. Consult the tables below for guidance in placing the AMM215WTD.*

Manufacturer's declaration - electromagnetic emission

The Model AMM215WTD is intended for use in the electromagnetic environment specified below. The customer or the user of AMM215WTD should assure that it is used in such an environment.		
Emission test	**Compliance**	**Electromagnetic environment - guidance**
RF emissions CISPR 11	Group 1	The Model AMM215WTD uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment
RF emissions CISPR 11	Class B	AMM215WTD is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes
Harmonic emissions IEC61000-3-2	Class D	
Voltage Fluctuations IEC61000-3-3	Complies	

Manufacturer's Declaration - Electromagnetic Immunity

The Model AMM215WTD is intended for use in the electromagnetic environment specified below. The customer or the user of AMM215WTD should assure that it is used in such an environment.			
Immunity Test	**IEC 60601 Test Level**	**Compliance Level**	**Electromagnetic environment - guidance**
Electrostatic discharge (ESD) IEC61000-4-2	± 8 kV contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV air		Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%
environment - guidance	± 2 kV 100 kHz repetition frequency		Mains power quality should be that of a typical commercial or hospital environment.
Electrostatic discharge	± 0,5 kV, ± 1 kV, ± 2 kV		Mains power quality should be that of a typical commercial or hospital environment.

Power frequency (50/60Hz) magnetic field IEC 61000-4-8	30 A/m 50 Hz or 60 Hz	30 A/m 50 Hz or 60 Hz	Power frequency manetic fields should be at levels character-istic of a typical location in a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC61000-4-11	0 % U_r ; 0,5 cycle At 0° . 45°, 90°, 135°, 180°, 225°, 270°, and 315° q)		Mains power quaility should be that of a typical commercial or hospital environment. If the user of the AMM215WTD image intensifier requires con-tinued operation during power mains interruptions, it is recom-mended that the AMM215WTD image intensifier be powered from an uninterruptible power supply or a battery.
	0% U_T; 1 cycle and 70 % U_t ; 25/30 cycles Single phase: at 0°		
	0 % U_t ; 250/300 cycle		

Note: Ut is the A.C. mains voltage prior to application of the test level.

Manufacturer's Declaration - Electromagnetic Immunity

The Model AMM215WTD is intended for use in the electromagnetic environment specified below. The customer or the user of AMM215WTD should ensure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic environment - guidance
Conducted RF IEC61000-4-6 Radiated RF IEC 61000-4-3	3 V 0,15 MHz - 80 MHz 6V in ISM and amature radio bands between 0,15 MHz and 80 Mhz 80 % AM at 1 kHz 10 V/m 80 MHz - 2,7 GHz 80% AM at 1 kHz	3 V 0,15 MHz - 80 MHz 6V in ISM and amature radio bands between 0,15 MHz and 80 Mhz 80 % AM at 1 kHz 10 V/m 80 MHz - 2,7 GHz 80% AM at 1 kHz	Portable and mobile RF communications equipment should be used no closer to any part of the **AMM215WTD**, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. **Recommended Separation Distance** 0.15 MHz to 80 MHz $$d = \left[\frac{3,5}{V_1}\right]\sqrt{P}$$ 80 MHz to 800 MHz 800 MHz to $$d = \left[\frac{3,5}{E_1}\right]\sqrt{P}$$ $$d = \left[\frac{7}{E_1}\right]\sqrt{P}$$ where *P* is the maximum oputput power rating of the transmitter in watts (**W**) according to the transmitter manufacturer and *d* is the recommended separation distance in meters (**m**). Field strengths from fixed RF transmitters, as deter-mined by an electromagnetic site survey **(a)**, should be less than the compliance level in each frequency range **(b)**.Interferency may occur in the vicinity of equipment marked with the follwing symbol:

NOTE 1: At 80MHz and 800MHz, the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

(a) Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast, cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the AMM215WTD is used exceeds the applicable RF compliance level above, the AMM215WTD should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the AMM215WTD.
(b) Over the frequency range 150kHz to 80MHz, field strengths should be less than [V1] V/m.

| Recommended Separation Distances Between Portable and Mobile RF Communications Equipement and the AMM215WTD System			
The AMM215WTD system is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The user of the AMM215WTD system can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the AMM215WTD system as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power (W) of transmitter	**Separation distance (m) according to frequency of transmitter**		
	150kHz to 80MHz $d=1.17\sqrt{P}$	80MHz to 800MHz $d=1.17\sqrt{P}$	800MHz to 2.5GHz $d=2.33\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.37	0.37	0.74
1	1.17	1.17	2.33
10	3.70	3.70	7.37
100	11.70	11.70	23.30
For transmitters rated at a maximum output power not listed above, the recommended separation distance (d) in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.			
NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.			
NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.			

Dimension Drawing (mm) of AC Adapter
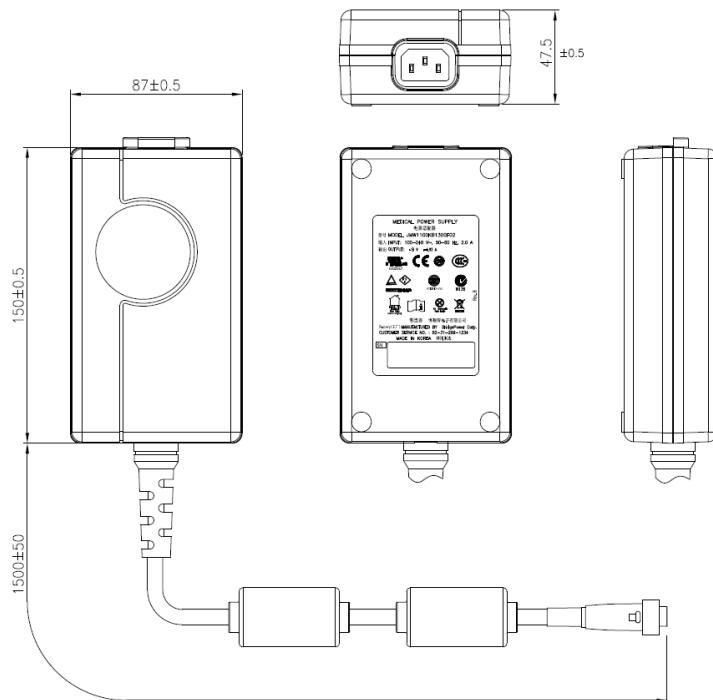
Dimension Drawing (mm) of AMM215WTD

Standby Power Button   Rotary Knob S/W(OSD)   PIP SWITCH

Power Switch

523
477
26.6
321
269.3
25.1
556

11 40 59

100(VESA)
75(VESA)

100(VESA)
75(VESA)

111.7
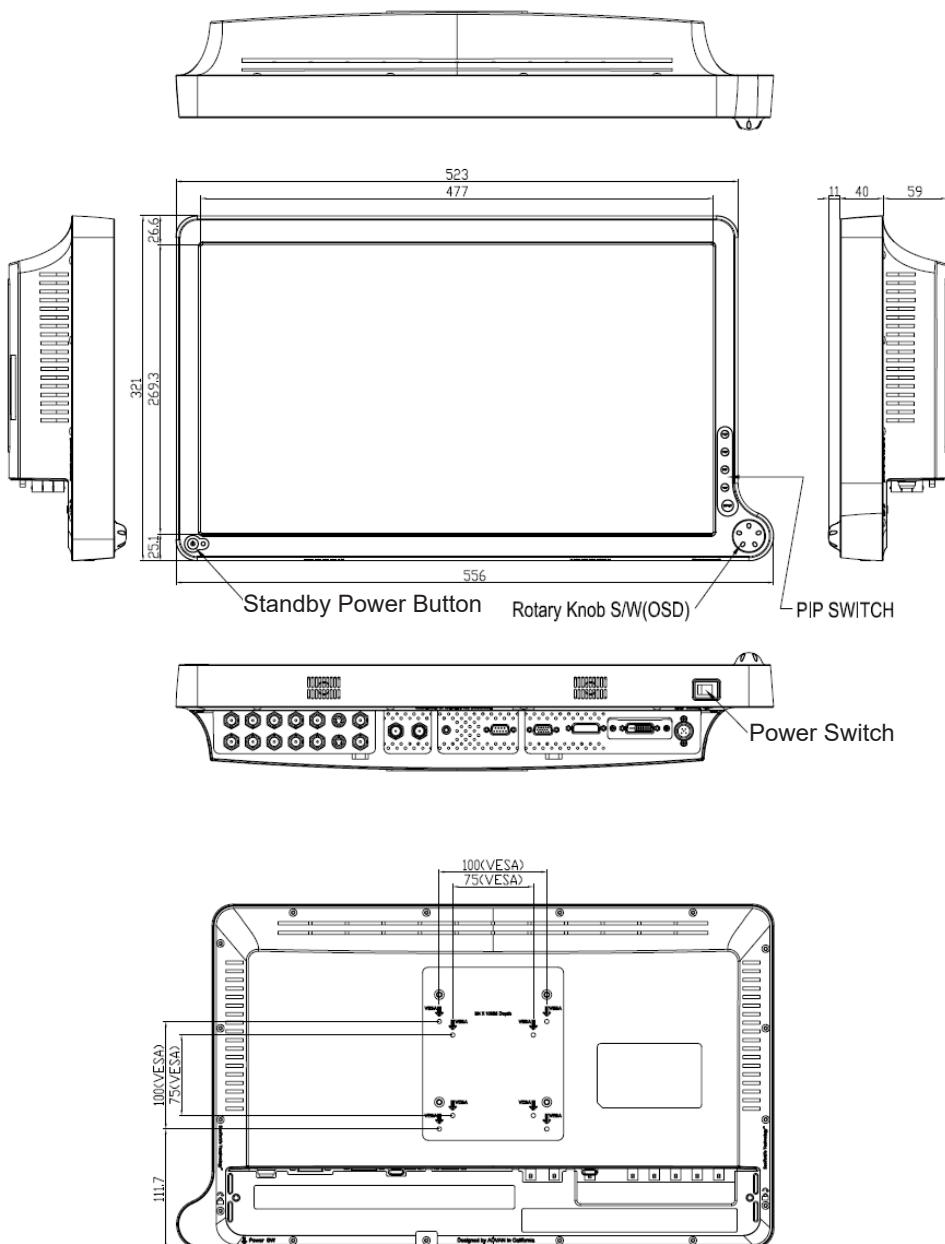
Connectors

DC Input

Connector Jack Power Input

Pin	Description	Pin	Description
1	GND	4	NC
2	GND	5	13V Input
3	13 V Input		

Video Input

24 Pin DVI-I Connector.
DDWG or Equivalent Connector.

Pin	Description	Pin	Description	Pin	Description
1	T.M.D.S. Data2-	9	T.M.D.S. Data1-	17	T.M.D.S. Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2 Shield	11	T.M.D.S. Data1 Shield	19	T.M.D.S. Data0 Shield
4	NC	12	NC	20	NC
5	NC	13	NC	21	NC
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (for +5V	23	T.M.D.S. Clock+
8	NC	16	Hot Plug Detect	24	T.M.D.S. Clock-

15 Pin VGA Connector.

Pin	Description	Pin	Description	Pin	Description
1	RED	6	GND- RED	11	GND
2	GREEN	7	GND- GREEN	12	DDC SDA
3	BLUE	8	GND- BLUE	13	HSYNC
4	GND	9	G5V	14	VSYNC
5	GND	10	GND	15	DDC SCL

S - Video Connector.

Pin	Description	Pin	Description
1	GND	5	GND
2	GND	6	GND
3	CHROMA_IN	7	CHROMA_OUT
4	LUMA_IN	8	LUMA_OUT

C - Video Connector.

Pin	Description	Pin	Description
1	C-VIDEO IN	3	C-VIDEO OUT
2	GND	4	GND

Description of Warranty

BARCO warrants to the first Buyer (Buyer) that the product purchased when shipped in its original container will conform to BARCO specifications, and to any BARCO approved specifications furnished to BARCO by the Buyer, and will be free of defects in materials and workmanship. BARCO warrants that the product purchased is manufactured from new components which meet BARCO standards, quality and specifications.

Subject to the conditions and limitations set forth below, BARCO will, at its option, either repair any component of its products that prove defective by reason of improper workmanship or materials or BARCO has the exclusive right to replace with refurbished units or with an equivalent product. BARCO warrants that the components used for repair, refurbished units or equivalent product will meet BARCO standards, quality and specifications.

Commencement and Duration of Warranty

The product purchased will be warranted for a period of eighteen (18) months (excluding the LCD panel, touch screen, and the protection filter) from the date of shipment.

LCD panels and touch screens are warranted for a period of twelve (12) months from the date of shipment.

Protection filters are not warranted as damage to the protection filter is considered to be normal wear and tear and can be replaced at Buyer's cost.

Components used for repair, refurbished units or equivalent product will be warranted for a period of twelve (12) months from the date of repair.

Limitation of Warranty

This limited warranty does not cover any damage to this product or other non-BARCO products that results from any of the following: improper installation or operation; accident; abuse; misuse; natural disaster; war; insufficient or excessive electrical supply; abnormal mechanical or environmental conditions; any unauthorized disassembly, repair or modification; normal wear and tear; tampering by anyone other than an BARCO engineer or an BARCO Authorized Service Center (ASC); the use of supplies, consumable items and conditions beyond the control of BARCO, such as common carrier provided equipment and/or facilities; operation of BARCO product in excess of the specifications. This limited warranty also does not apply to any product that has not been handled or packaged correctly, that has been sold as second-hand or has been resold contrary to the US export regulations, on which the original identification information (i.e. serial number, rating and/or warranty label) has been altered, obliterated or removed.

In Warranty

BARCO or its ASC will repair or replace if defective in material or workmanship without cost, for a period of eighteen (18) months, (LCD panels and touch screens for a period of twelve (12) months) after the date of shipment.

Buyer must notify BARCO or its ASC of the defect before expiration of the warranty period, and request an RMA number. If the configuration has been modified in any manner, the product must be returned to its original configuration before any warranty service will be performed by BARCO or its ASC. No goods are to be returned to BARCO or its ASC without prior authorization. Buyer will be responsible for packaging (preferably original container) and shipping the defective goods to BARCO or its ASC, shipping charges prepaid.

BARCO or its ASC will return the in warranty product, at no cost to the buyer.

Out-of-Warranty

BARCO or its ASC will repair or replace if defective in material or workmanship with fee, any product which the warranty period has expired (out-of-warranty).

Buyer must notify BARCO or its ASC of the defect and request an RMA number. If the configuration has been modified in any manner, the product must be returned to its original configuration before any service will be performed by BARCO or its ASC. No goods are to be returned to BARCO or its ASC without prior authorization. Buyer will be responsible for packaging (preferably original container) and shipping the defective goods to BARCO or its ASC, shipping charges prepaid.

BARCO or its ASC will return the out-of-warranty product, at cost to the buyer.

Product End of Life (EOL)

In the event of an RMA of an EOL product(s), BARCO will hold or store major components of its products for a period of five (5) years, after the EOL of its products. BARCO shall continue to perform the service of its products as long as BARCO holds or stores said components of the products, with reasonable charge.

The forgoing Warranty and Out-of-Warranty terms apply

Disclaimer

THE FORGOING IS THE COMPLETE WARRANTY FOR BARCO PRODUCTS
AND SUPERSEDES ALL OTHER WARRANTIES AND REPRESENTATIONS,
WHETHER ORAL OR WRITTEN. EXCEPT AS EXPRESSLY SET FORTH ABOVE,
NO OTHER WARRANTIES ARE MADE WITH RESPECT TO BARCO PRODUCTS
AND BARCO EXPRESSLY DISCLAIMS ALL WARRANTIES NOT STATED
HEREIN, INCLUDING, TO THE EXTENT PERMITTED BY APPLICABLE LAW, ANY
WARRANTY THAT MAY EXIST UNDER NATIONAL, STATE, PROVINCIAL OR
LOCAL LAW INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY ON
NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR
PURPOSE. ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, ARE
LIMITED TO THE PERIODS OF TIME SET FORTH ABOVE. SOME STATES
OR OTHER JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED
WARRANTIES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY
LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY.

BARCO'S TOTAL LIABILITY UNDER THIS OR ANY OTHER WARRANTY,
EXPRESSED OR IMPLIED, IS LIMITED TO REPAIR OR REPLACEMENT, AND
ARE THE SOLE AND EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY
OR ANY OTHER LEGAL THEORY. TO THE FULLEST EXTENT PERMITTED
BY APPLICABLE LAW, BARCO SHALL NOT BE LIABLE TO THE PURCHASER
OR END USER CUSTOMER OF AN BARCO PRODUCT FOR ANY DAMAGES,
EXPENSES, LOST DATA, LOST REVENUES, LOST SAVINGS, LOST PROFITS,
OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM
THE PURCHASE, USE OR INABILITY TO USE THE BARCO PRODUCT, EVEN
IF BARCO HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
SOME STATES OR OTHER JURISDICTIONS DO NOT ALLOW THE EXCLUSION
OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE
ABOVE LIMITATIONS MAY NOT APPLY.

THE LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU
MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR
JURISDICTION TO JURISDICTION.

Accessory Item List

No.	Part Name	Q'ty	Description	Remark
1	AC- Adaptor	1	Model Number: JMW1100KB1300F02 Part Number: PS-52141209002E	BridgePower
2	VGA Cable	1	RGB 15P TO 15P, 1.8M, IVORY	
3	DVI cable	1	DVI-I type CABLE 29P TO 29P	
4	BNC Cable	1	BNC TO BNC ,1.8M/ RG58(JTC-15)	
5	S-Video Cable	1	S-VIDEO W.2F/C/1.8M,BLACK	
6	User's Manual	1	Rev. L	
7	Quick Reference Guide	1	Rev. G	
8	Power Cord*	1	Medical Grade 115V, GRAY	
9	VESA Screw	4	BH,+,M4x10,Ni	
10	Extension Power Cord**	1	Part No: C-47D2001P50MF (5ft) or C-47D2004P57MF (15ft) or Z3404272 (75ft)	BridgePower
11	Cable Cover	1		

Adaptor

VGA Cable

DVI Cable

BNC Cable

S-Video Cable

User's Manual

QuickReference Guide

Power Cord*

VESA Screw

Extension Power Cord **

Cable Cover

* Might vary pending on region standard

**Optional item, check with local representative

EC | REP

Barco NV
President Kennedypark 35
8500 Kortrijk
Belgium

Barco, Inc.
1421 McCarthy Blvd. Milpitas, CA 95035,USA
Tel : +1 408 400 4102
Fax : +1 408 400 4116
Web. Page : http://www.barco.com

CE

BARCO