

VJS I O N BO MODEL 800

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Accessories

The following accessories are packed together with this unit. Please confirm all items. If any item is missing, please contact your dealer.

Instruction Manual	x 1
Warranty	x 1
Power Cord	x 1
Remote Control	x 1
AAA size Batteries (for operation confirmation)	x 2

Thank you for purchasing the Vidikron Vision Model 80 projector and welcome to the Vidikron family. With proper setup and use, this product will bring you many years of enjoyment.

Introduction to the Vidikron Vision Model 80 D-ILA[™] Projector

Vidikron presents the highest resolution home theater video available today. The Vision[™] Model 80 employs advanced D-ILA[™] (Direct Drive Image Light Amplifier) technology and boasts a native resolution of 1920 x 1080 – over six million pixels.

This exciting technology is capable of producing the most natural, smooth images available in digital projection. Tremendous detail, richly saturated colors and outstanding black level reproduction are hallmarks of the Model 80.

Vidikron's incorporation of three D-ILA chips result in exceptionally low noise without the flicker and "rainbow effect" that often plague one-chip digital video display devices. Vidikron engineers have also paid careful attention to accurate gray scale tracking and true 6500K color reproduction capability. Together, all of these engineering achievements produce the most pleasing and film-like high resolution pictures imaginable.

With 1050 ANSI lumens of light output (CSMS[™] Light Output of 18.1 ft-Lamberts) and a 2100:1 contrast ratio, the Model 80 offers stateof-the-art picture quality on screens as large as eight feet wide. Vidikron's exclusive Imagix[™] video processing is featured in a separate outboard controller/processor that scales signals from 480i to 1080i to the Model 80's native1080p resolution, transforming any source into stunning high definition resolution.

In addition, Vidikron's discrete multiple aspect ratio control, as well as discrete IR and RS-232 control make custom installation seamless, while discrete source selection accommodates any automation control system.

The Features You'll enjoy include:

- Ultra High Resolution D-ILATM Technology for Pristine Video Images
- 3-Chip D-ILA Configuration with Native 16:9 Aspect Ratio
- 1920 x 1080 Native Resolution Over 6 Million Pixels
- Vidikron's Exclusive Imagix[™] Video Processing with Separate Controller/Processor for Outstanding Image Fidelity
- 1050 ANSI Lumens /CSMSTM Light Output of 18.1 ft-Lamberts
- 2100:1 Contrast Ratio
- Discrete Aspect Ratio and Source Selection
- DVI Input with HDCP Discrete IR and RS-232 Control

Contents of the package

- 3-Chip Projection System
- (1) AC Power cord
- (1) AV connection cable
- (1) Remote controll with (2) AA batteries
- (1) Screen trigger terminal cable
- (1) User's manual
- (1) Warranty information and registration card

Options:

Ceiling mount unit

NOTICE (For USA)

Language for Manuals of Products using HID Lamps (that contains mercury)

This product has a High Intensity Discharge (HID) lamp that contains a small amount of mercury. It also contains lead in some components.

Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance: http:// www.eiae.org.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS APPLI-ANCETO RAIN OR MOISTURE.

WARNING:

THIS APPARATUS MUST BE GROUNDED.

CAUTION:

To reduce the risk of electric shock, do not remove cover. Refer servicing to qualified service personnel.

This projector is equipped with a 3-blade grounding type plug to satisfy FCC rule. If you are unable to insert the plug into the outlet, contact your electrician.

FCC INFORMATION (U.S.A. only)

CAUTION:

Changes or modification not approved by JVC could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential 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 radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encourage to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

MACHINE NOISE INFORMATION (Germany only)

Changes Machine Noise Information Ordinance 3. GSGV, January 18, 1991: The sound pressure level at the operator position is equal or less than 70 dB (A) according to ISO 7779.

About burning-in of the D-ILA device

Do not allow the same still picture to be projected for a long time or an abnormally bright video picture to be projected. Do not project video images with high-intensity or high contrast on a screen. The video image could be burnt into the D-ILA device. Use special care when projecting video games or computer program images. There is no problem with ordinary video-cassette playback images.

About the installation place

Do not install the projector in a place that cannot support its weight securely. If the installation place is not sturdy enough, the projector could fall or overturn, possibly causing personal injury.

IMPORTANT SAFEGUARDS

Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. But **IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD.** In order not to defeat the safeguards incorporated into this product, observe the following basic rules for its installation, use and service. Please read these Important Safeguards carefully before use.

- All the safety and operating instructions should be read before the product is operated.
- The safety and operating instructions should be retained for future reference.
- All warnings on the product and in the operating instructions should be adhered to.
- All operating instructions should be followed.
- Place the projector near a wall outlet where the plug can be easily unplugged.
- Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- Do not use attachments not recommended by the product manufacturer as they may be hazardous.
- Do not use this product near water. Do not use immediately after moving from a low temperature to high temperature, as this causes condensation, which may result in fire, electric shock, or other hazards.
- Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. The product should be mounted according to the manufacturer's instructions, and should use a mount recommended by the manufacturer. (symbol provided by RETAC)
- When the product is used on a cart, care should be taken to avoid quick stops, excessive force, and uneven surfaces which may cause the product and cart to overturn, damaging equipment or causing possible injury to the operator.

- Slots and openings in the cabinet are provided for ventilation. These ensure reliable operation of the product and protect it from overheating. These openings must not be blocked or covered. (The openings should never be blocked by placing the product on bed, sofa, rug, or similar surface. It should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided and the manufacturer's instructions have been adhered to.) For proper ventilation, separate the product from other equipment, which may prevent ventilation and keep a distance of more than 11-7/8" (30 cm).
- This product should be operated only with the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
- This product is equipped with a three-wire plug. This plug will fit only into a grounded power outlet. If you are unable to insert the plug into the outlet, contact your electrician to install the proper outlet. Do not defeat the safety purpose of the grounded plug.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them.
 Pay particular attention to cords at doors, plugs, receptacles, and the point where they exit from the product.
- For added protection of this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the product due to lightning and power line surges.
- Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.
- Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltages and other hazards. Refer all service to qualified service personnel.
- Unplug this product from the wall outlet and refer service to qualified service personnel under the following conditions:
- a) When the power supply cord or plug is damaged.
- b) If liquid has been spilled, or objects have fallen on the product.
- c) If the product has been exposed to rain or water.
- d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the Operation Manual, as an improper adjustment of controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
- e) If the product has been dropped or damaged in any way.
- f) When the product exhibits a distinct change in performance- this indicates a need for service.
- When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or with same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

- Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- The product should be placed more than one foot away from heat sources such as radiators, heat registers, stoves, and other products (including amplifiers) that produce heat.
- When connecting other products such as VCR's, and personal computers, you should turn off the power of this product for protection against electric shock.
- Do not place combustibles behind the cooling fan. For example, cloth, paper, matches, aerosol cans or gas lighters that present special hazards when over heated.
- Do not look into the projection lens while the illumination lamp is turned on. Exposure of your eyes to the strong light can result in impaired eyesight.
- Do not look into the inside of this unit through vents (ventilation holes), etc. Do not look at the illumination lamp directly by opening the cabinet while the illumination lamp is turned on. The illumination lamp also contains ultraviolet rays and the light is so powerful that your eyesight can be impaired.
- Do not drop, hit, or damage the light-source lamp (lamp unit) in any way. It may cause the light-source lamp to break and lead to injuries. Do not use a damaged light source lamp. If the lightsource lamp is broken, ask your dealer to repair it. Fragments from a broken light-source lamp may cause injuries.
- The light-source lamp used in this projector is a high pressure mercury lamp. Be careful when disposing of the light-source lamp. If anything is unclear, please consult your dealer.
- Do not ceiling-mount the projector to a place which tends to vibrate; otherwise, the attaching fixture of the projector could be broken by the vibration, possibly causing it to fall or overturn, which could lead to personal injury.
- Use only the accessory cord designed for this product to prevent shock. The power supply voltage rating of this product is AC 120 V, AC 100 V – AC 240 V, the power cord attached conforms to the following power supply voltage. Use only the power cord designated by our dealer to ensure Safety and EMC. When it is used by other power supply voltage, power cable must be changed. Ensure that the power cable used for the projector is the correct type for the AC outlet in your country. Consult your product dealer.



Power supply voltage: AC 120 V

*DO NOT allow any unqualified person to install the unit.

Be sure to ask your Vidikron dealer to install the unit (e.g. attaching it to the ceiling) since special technical knowledge and skills are required for installation.

If installation is performed by an unqualified person, it may cause personal injury or electrical shock.

Safety Precautions (continued)

WARNING:

Do not cut off the main plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or adapter or consult your dealer.

If, nonetheless, the main plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the main supply. If a new main plug has to be fitted, then follow the instructions given below.

WARNING:

THIS APPARATUS MUST BE GROUNDED. IMPORTANT:

The wires in the mains lead on this product are colored in accordance with the following cord:

Green-and-yellow :	Earth
Blue :	Neutral
Brown :	Live

As these colors may not correspond with the colored markings identifying the terminals in your plug, proceed as follows:

The wire which is colored green-and-yellow must be connected to the terminal which is marked with the letter E or the safety earth or colored green or green-and-yellow. The wire which is colored blue must be connected to the terminal which is marked with the letter N or colored black. The wire which is colored brown must be connected to the terminal which is marked with the letter L or colored red. When replacing the fuse, be sure to use only a correctly rated approved type, re-fit the fuse cover.

IF IN DOUBT — CONSULT A COMPETENT ELECTRICIAN.

About Burning-in of D-ILA Device

• Do not allow the same still picture to be projected for a long time or an abnormally bright video image to be projected.

Do not project video images with a high intensity or high contrast on a screen. This video image could be burnt into this D-ILA device. Pay special attention when projecting video games and computer program images. There is no problem with ordinary video cassette, DVD or TV playback images.

Viewing Conditions (Brightness of Room)

• Brightness of the room

Avoid direct exposure of screen to direct sunlight and illumination. Block light using a curtain. Images can be well projected by darkening the brightness of the room.

Do not view screen for prolonged hours

Looking at the screen continually for a prolonged time will cause your eyes to get tired. Allow your eyes to rest at intervals.

• Do not use this unit when image flickers due to installation conditions and environment.

This may cause your eyesight to deteriorate.

Environment of Use

• Do not use this unit in rooms with cigarette smoke

Do not use this unit in rooms with cigarette smoke. This may cause the unit to malfunction.

• When mounting this unit to ceiling

Check temperature around the unit.

When a heater is in use, the ceiling may reach a temperature higher than anticipated, leading to malfunction of the unit.

Maintenance Procedures

• Clean dirt on the cabinet with a soft cloth.

In case of heavy soiling, soak a cloth in neutral detergent diluted with water, wring dry and wipe, followed by wiping again using a dry cloth.

- Pay attention to the following as the cabinet may deteriorate in condition, get damaged or paint may come off .
- Do not wipe with a stiff cloth
- Do not wipe with force
- Do not wipe with thinner or benzene
- · Do not spray volatile chemicals like insecticide
- Do not allow prolonged contact with rubber or plastic products
- **Dirt on the lens** should be cleaned using using commercial blowers or lens cleaning papers (for cleaning glasses and cameras). Do not use fluid type cleaning agents. This may lead to peeling of the surface coating film. Lens surface is fragile. Avoid rubbing or knocking it.

Standard for gauging replacement time of components

There are replacement components required for maintenance of the functions of this product such as optical components, cooling fan and filters. Life span of components varies considerably with the frequency of use and environment in which they are used. For replacement of components (except filters), please consult your authorized dealer.

Two Year Limited Warranty For Projectors, Video Processors and Controllers

Congratulations on your purchase of a Vidikron video product and welcome to the Vidikron family! With proper installation, setup and care, you should enjoy many years of unparalleled video performance.

This is a LIMITED WARRANTY as defined in the Magnuson-Moss Warranty Act. Please read it carefully and retain it with your other important documents.

WHAT IS COVERED UNDER THE TERMS OF THIS LIMITED WARRANTY:

SERVICE LABOR: Vidikron will pay for service labor by a Vidikron Authorized Service Center when needed as a result of manufacturing defect for a period of two (2) years from the effective date of delivery to the end user (excluding the lamp).

PARTS: (Not including the lamp) Vidikron will provide new or rebuilt replacement parts for the parts that fail due to defects in materials or workmanship for a period of two (2) years from the effective date of delivery to the end user. Such replacement parts are then subsequently warranted for the remaining portion (if any) of the original warranty period.

PROJECTOR LAMP: Vidikron will pay for service labor by a Vidikron Authorized Service Center when needed as a result of a manufacturing defect for a period of six (6) months or 1000 hours, which ever comes first, from the effective date of delivery to the end user. In addition, Vidikron will provide a new or rebuilt replacement lamp for the lamp that fails due to defects in materials or workmanship for a period of six (6) months or 1000 hours, which ever comes first, from the effective date of delivery to the end user. Such replacement lamps are then subsequently warranted for the remaining portion (if any) of the original warranty period.

WHAT IS NOT COVERED UNDER THE TERMS OF THIS LIMITED WARRANTY:

This Limited Warranty only covers failure due to defects in materials and workmanship that occur during normal use and does not cover normal maintenance. This Limited Warranty does not cover cabinets or any appearance items; failure resulting from accident, misuse, abuse, neglect, mishandling, misapplication, faulty or improper installation or setup adjustments; improper maintenance, alteration, improper use of any input signal; damage due to lightning or power line surges, spikes and brownouts; damage that occurs during shipping or transit; or damage that is attributed to acts of God. In the case of remote control units, damage resulting from leaking, old, damaged or improper batteries is also excluded from coverage under this Limited Warranty.

CAUTION: THIS LIMITED WARRANTY ONLY COVERS VIDIKRON PRODUCTS PURCHASED FROM VIDIKRON AUTHORIZED DEALERS. ALL OTHER PRODUCTS ARE SPECIFICALLY EXCLUDED FROM COVERAGE UNDER THIS LIMITED WARRANTY. MOREOVER, DAMAGE RESULTING DIRECTLY OR INDIRECTLY FROM IMPROPER INSTALLATION OR SETUP IS SPECIFICALLY EXCLUDED FROM COVERAGE UNDER THIS LIMITED WARRANTY.

RIGHTS, LIMITS AND EXCLUSIONS:

Vidikron limits its obligations under any implied warranties under state laws to a period not to exceed the warranty period. There are no express warranties. Vidikron also excludes any obligation on its part for incidental or consequential damages related to the failure of this product to function properly. Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages. So the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

EFFECTIVE WARRANTY DATE:

This Limited Warranty begins on the effective date of delivery to the end user. For your convenience, keep the original bill of sale as evidence of the purchase date.

IMPORTANT: WARRANTY REGISTRATION:

Please fill out and mail your warranty registration card. It is imperative that Vidikron knows how to reach you promptly if we should discover a safety problem or product update for which you must be notified.

CONTACT A VIDIKRON AUTHORIZED SERVICE CENTER TO OBTAIN SERVICE:

Repairs made under the terms of this Limited Warranty covering your Vidikron video product will be performed at the location of the product, during usual working hours, providing location of product is within normal operating distance from a Vidikron Authorized Service Center. In some instances it may be necessary for the product to be returned to the Vidikron factory for repairs. If, solely in Vidikron's judgment, location of product to be repaired is beyond normal operating distance of the closest Vidikron Authorized Service Center, or the repair requires the unit be returned to the Vidikron factory, it is the owner's responsibility to arrange for shipment of the product for repair. These arrangements must be made through the selling Vidikron dealer. If this is not possible, contact Vidikron will return product transportation prepaid in the United States, unless no product defect is discovered. In that instance, shipping costs will be the responsibility of the owner.

ADDITIONAL INFORMATION:

To locate the name and address of the nearest VIDIKRON authorized service location, or for additional information about this Limited Warranty, please call or write:

VIDIKRON

Attn.: Customer Service Department 2900 Faber Street Union City, CA 94587 Ph: (510) 324-5900 Fax: (510) 324-5905 Toll Free: (888) 4-VIDIKRON

Controls and Features

Projector Chassis Cover



To Open the Projector Cover:

- 1. Locate the two black cover latches under the front edge.
- 2. Push the latches firmly IN toward the center of the unit. DO NOT FORCE THE TABS. It may be easier to loosen one side first, then the other.
- 3. When the cover latches are loosened, then the top cover will swing upward and reveal the system control panel, cable connection panel and more.

To Close the Projector Cover:

- 1. To close simply reposition the cover over the latches and press firmly, Latches will then snap closed.
- 2. IMPORTANT When finished working under the cover and latches have been initially secured. Move the latches OUT TOWARD THE COVER EDGES. This securely locks the cover to the projector.

Connector Panel



1. [SYNC OUT] Terminal

This terminal is intended for servicing purposes. Do not use it. Using it may cause an error or malfunction of the unit.

2. [SERVICE] Terminal

This terminal is intended for servicing purposes. Do not use it. Using it may cause an error and malfunction of the unit.

3. [RS-232C] Terminal (D-sub 9 Pin)

This is the RS-232C interface-specific terminal. This unit can be controlled by a computer connected externally. (see page 18) • For details, please check with your authorized dealer.

4. [DVI] Terminal (DVI-D 24 Pin)

This is an input terminal for video signals. Connect this to the VDP-80 dedicated digital video processor. (see page 18)

Controls and Features (continued)

1. LAMP INDICATOR:

<u>Light On:</u> Indicates the lamp has been used for more than 1900 hours.

<u>Blinking</u>: Indicates that lamp usage time (about 2000 hours) is exceeded. Please contact your Vidikron dealer to replace the lamp.

2. TEMP INDICATOR

<u>Blinking</u>: Indicates the temperature inside the projector is abnormally high.

3. POWER INDICATOR

Light On: During projection.

4. STANDBY INDICATOR

Light On: When in standby mode.

Blinking: When in cool down mode.

5. POWER BUTTON

When this projector is in standby mode, pressing this button for more than 1 second will turn the projector on and cause the [POWER] indicator to light up. Press it one second or more again, and the projector goes into the cool down mode and finally into stand by mode.

• The [POWER] button will not work within approximately 1 minute of the light-source lamp being turned on. Hence wait about 1 minute before pressing.

6. MENU BUTTON

Press this button to enter or exit the menu mode. When the main menu is displayed, pressing this button will cause the menu to disappear.

7. EXIT BUTTON

Press this button to display the previous menu (For example, from sub menu to main menu). Pressing this button when the main menu is displayed will clear the menu.

8. CURSOR BUTTONS

These buttons are used in the menu mode to select an item, adjust the value etc.

9. ENTER BUTTON

Press this button to show the next hierarchical menu (for example, to enter submenu from main menu). It is also used when "ENTER" is displayed against a selection item on the menu screen.

10. KEY RESET BUTTON

Use this button to reset the values to factory settings when the "Gamma", "White Bal.", "Blanking" or "Picture Adjust" item in the menu is selected.

11. MUTE BUTTON

Use this button to temporarily halt the video output. Press again to resume



10. KEY RESET BUTTON

Use this button to reset the values to factory settings when the "Gamma", "White Bal.", "Blanking" or "Picture Adjust" item in the menu is selected.

11.MUTE BUTTON

Use this button to temporarily halt the video output. Press again to resume.

Indicator Display on the Control Panel

In addition to the standby mode, operate mode and cool down mode*, this unit also displays other operational states using different combination of indicators.

• Please refer to Page 29 for explanations on warning indication for *1 and Page 32 for *2.



*About Cool Down Mode

After projection, the heated lamp will go through a 90-second cool-down process known as the cool down mode. This function is to prevent damage and deformation that heat from the heated lamp may cause to the internal components of this unit. It also prevents lamp breakage and shortened lamp life.

The cool down mode is indicated by the blinking [STAND BY] indicator. When in the cool down mode, the [OPERATE] button will be disabled. After the cool down process is completed, the unit will automatically switch to the standby mode.

Note

When in the cool down mode, do not pull out the plug from the power outlet. Also, do not block the air inlets/exhaust vents.

Controls and Features (continued)

Remote Control



1. [ON] Button

When this unit is in the standby mode, pressing the button for more than 1 second will turn this unit on and cause the [OPERATE] indicator to light up.

2. [OFF] Button

When this unit is in operation (projecting), press it for 1 second or more to switch to the cool down mode, which will automatically switch to the standby mode after about 90 seconds. The [OPERATE OFF] button will not work within approximately 1 minute after the light source has been turned on. Start operation only after 1 minute's time.

3. Cursor [◀ / ▶ / ▲ / ▼] Buttons

Use these buttons when adjusting the menu items.

4. [EXIT] Button

Press this button to return to the previous hierarchical menu (for example, to return from submenu to main menu). Pressing this button when the menu is displayed will clear the menu.

5. [MENU] Button

Press this button to display the menu. Pressing this button when the menu is displayed clears the menu.

6. [PRESET] Button

Use this button to reset the values to factory settings when the "Gamma", "Color temp.", "Mask" or "Picture shift" item in the menu is selected.

7. [ENT] Button

Press this button to show the next hierarchical menu (for example, to enter submenu from main menu). It is also used when "ENTER" is displayed against a selection item on the menu screen

8. [TEST] Button

Press this when adjusting focus, screen size or picture quality. Press the button to switch to the test pattern image for adjustment.

- Alter the test pattern with the [TEST] button.
- Press the [EXIT] button to return to the original image.

9. [MUTE] Button

Press this button to temporarily clear the video image. Press again to resume.

10. [LIGHT] Button

Lights up illumination (light) of the remote control buttons for about 10 seconds.

Installing the Projector

Precautions for Installation

Please read the following carefully when installing the unit.

Installation Environment

This unit is a precision device. Do not install it at the following places. Doing so may cause fire or malfunction of the unit.

- Where there is water, humidity or dust
- Where the unit may be subjected to oily or cigarette smoke
- On a soft surface such as carpet or cushion
- Where the unit may be subjected to high temperature due to direct sunlight
- Where temperature is high or low

Allowable operation temperature range: 41–95°F, (5–35 °C)

Allowable relative humidity range: 20% to 80% (no condensation)

Any room in which there is cigarette smoke or grease Even where smoke and grease levels are minimal, prolonged exposure will affect this unit. This unit emits heat and optical components are cooled down by taking in large amount of air. The optical path may be soiled by grease/dirt, thus causing images to become dark or color projection to deteriorate. When soiling on the optical components occurs, complete removal of grease/dirt will not be possible.

Precaution for Usage

This unit uses a light-source lamp which reaches high temperature when projecting. Please do not use it in the following ways. Doing so may cause fire or malfunction of the unit.

- Projecting the image while the unit is on its side
- · Projecting images outside the specified angle
- Do not use this unit by setting it beyond $\pm 5^{\circ}$ horizontally (left/ right) or $\pm 25^{\circ}$ vertically (up/down). This may cause color variation or shorten the lamp life.
- Projecting images at places where the air inlets and exhaust vents are blocked





Do not use a cover which may enclose this unit air-tight or block the air inlets/ exhaust vents. Allow sufficient space around this unit. When this unit is enclosed in a space of dimensions as indicated on the left, use an air-conditioner so that internal and external temperatures are the same.

Installing the Projector (continued)

Projector and Screen Installation

The optimum image can be obtained when the center of the lens and the screen are placed perpendicular to each other. Take note of the projection angle when placing them. Failing to do so may give rise to trapezoidal distortion of the projected image.

• This unit does not come with a function to correct trapezoidal distortion.



Mounting the Unit on a Ceiling

When mounting on a ceiling, please refer to the instructions included with the ceiling mount hardware.

Precautions for Ceiling-mount

- To ceiling-mount this unit, special expertise and techniques are necessary. Be sure to ask your dealer (or a specialist) to perform mounting (to ceilings, etc.).
- Do not mount at places that may be subjected to vibration and shock.
- Install at a safe place in case this unit or a part of it may drop. If the light-source lamp is broken, small pieces of glass from the mesh of the filter may appear outside this unit

Screen Size and Projection Distance

• This unit uses a 1.3x manual zoom lens for projection.

• Although the focusable projection distance is about 4.92 ft (1.5 m) to 39.37 ft. (12 m), the projection distance recommendable for performance is about 6.56 ft. (2 m) to 26.25 ft. (8 m). Install this unit within this range and adjust the screen size when the aspect ratio of the screen is 16:9.



Throw Distance Chart

Simply enter the width of your screen (16X9 screen) in inches			
Screen Height	Screen Width	min TD from SW	max TD from SW
33 1/2	60	108.60	139.80
40 1/2	72	130.32	167.76
44 2/2	80	144.80	186.40
47 /2	84	152.04	195.72
48 2/2	87	157.47	202.71
50	89	161.09	207.37
50 1/2	90	162.90	209.70
51 1/2	92	166.52	214.36
53 2/2	96	173.76	223.68
56 /2	100	181.00	233.00
58 1/2	104	188.24	242.32
60 /2	107	193.67	249.31
62 1/2	111	200.91	258.63
		1.81x Screen Width	2.33 x Screen Width

Installing the Projector (continued)

Effective Range of Remote Control Unit

The operable distance of the remote control unit is about 23 ft. (7 m) for direct reception. The remote control can be used by having the transmission signal reflected off a screen.

• If a fluorescent lamp is lit, the remote control unit might not function properly.

When reflecting off a screen

Ensure that total of distance A between this unit and screen and distance B between remote control and screen is within 23 ft. (7 m).

• As the effect of signals reflected from the remote control unit differ with the type of screen used, operable distance may decrease.

When directing remote control unit toward this unit

When aiming the remote control towards the remote sensor on this unit, ensure that the distance to the sensor in front or at the rear of this unit is within 23 ft. (7 m).

• If the remote control fails to work properly, move closer to this unit

Connecting to Various Devices

Connecting to Devices

Before connection, be sure to turn off both the projector and the device to be connected.

Connecting to the VDP-80 digital video processor

- Read the manual that is supplied with the digital video processor thoroughly.
- The signal may attenuate and the image may become unstable depending on the DVI cable. Use high quality DVI cable below 16.40 ft. (5 m). When using DVI cable above 16.40 ft. (5 m), use LiveLink[™] cable



Control from an external automation device

It is possible to control this unit by connecting the [CONTROL RS-232C] terminal of this unit for use with control systems such as AMX or Crestron. Control codes can be found on page 36.

For details, please consult your Vidikron dealer

Connecting to Various Devices (continued)

Connecting the Power Cord (supplied)

After all devices have been connected, connect the supplied power cord.

- **1** Connect the supplied power cord to the power input terminal of this unit
- **2** Insert the main plug of the supplied power cord into the wall outlet



Cautions Against Fire and Electric Shock

- Since the power requirement of this unit is high, insert the power plug directly into a wall outlet.
- When not using devices, remove the power plug from the wall outlet.
- Do not use power cords for connection other than those supplied.
- Do not use a power voltage different from that which is indicated.
- Do not cut, tear or modify the power cords. Also, do not place a heavy object on, heat or stretch the power cords as this may cause damage to the cords.
- Do not insert or pull out plugs with a wet hand.

Basic Operation

If setup for this unit is not completed, please refer to "Adjustments and Settings Using Menus" (Pg. 23) upon turning on the power and perform the required settings accordingly. Once the basic setup is completed, this unit can be used by simply performing the following operation procedures.

1 Turning on the power

1 Insert the power plug to the power outlet.

- The main power turns on and the [STAND BY] indicator on the unit lights up.
- 2 Press the [POWER] button on the projector (or the [ON] button on the remote control unit) for one second or more
 - The [POWER] indicator lights up and the projected image slowly appears.

Notes

- Upon projection, the image may flicker for a few seconds. This is not a malfunction.
- When the light source is turned on, the lamp will slowly become brighter. It will take more than 1 minute for the brightness to stabilize.





POWER



Remote

Control



Projector: Control panel

Project

Projector: Indicator

2 Adjusting Zoom

To enlarge the screen size

Turn the zoom ring towards the "Right" side (when looking towards the screen)

To reduce the screen size

Turn the zoom ring towards the "Left" side (when looking towards the screen)

3 Adjusting Focus

To focus on nearer points

Turn the focus ring towards the "Right" side (when looking towards the screen)

To focus on farther points

Turn the focus ring towards the "Left" side (when looking towards the screen)

Basic Operation (continued)

4 Hiding the image temporarily

Press [MUTE]

- The displayed image will disappear.
- Press [MUTE] again to restore the image.

5 Turning on the power

Press the [POWER] button on this unit (or the [OFF] button on the remote control) for 1 or more seconds.

• The [POWER] indicator turns off, the [STAND BY] indicator starts blinking and this unit switches to the cool down mode. The cool down mode is to allow the temperature of the light source lamp to cool off.

Note

• The [POWER] button will not work within approximately 1 minute after the light source has been turned on. Start operation only after 1 minute's time.

2 Pull out the power plug from the power outlet.

Note

• Do not pull out the plug when the [STAND BY] indicator is blinking. This may shorten the lamp life



Projector: Indicator

Adjustments and Settings Using Menus

The menus displayed on the screen are used to perform adjustments and settings for this unit.

Menu Structure

The menus of this unit have the following structure.



"Information" Menu

Menu Operation Buttons

Button		Function		
Main unit	Remote control	Function		
MENU	MENU	Displays the main menu. • Press to clear the menu screen when the menu is displayed.		
ENTER	ENT	Confirm the selected item on the main menu. • Press [ENTER] when the "Test Pattern" item is selected to project the test pat- tern on the screen. After it is projected, test pattern changes each time [ENTER] is pressed.		
EXIT	EXIT	 Press to return to the previous menu. Press to clear the menu screen when the main menu screen is displayed. Press to clear the test pattern when a test pattern is displayed. 		
	A enter o V Main unit	 / → : Select menu items and adjustment items. (/) : Perform setting of the selected adjustment item. (Setting is not possible for some items) The adjusted value will be reflected on the image immediately. 		
Remot	te control unit			



Procedures for Menu Operation



CFF 2,3 1,6 4 (ENT) TEST (NUTE) (LIGHT) Vidikron

1 Press the [MENU] button

• The main menu is displayed on the screen.



Display of the menu item currently selected becomes highlighted.

Details of the currently selected menu item will be displayed.

2 Press [A/-] to select a main menu item and [ENTER] to confirm

• The "Information" menu does not have a setting menu (submenu).



3 Press [▲/▼] to select an adjustment item and [√/▶] to change the setting value



• Press [ENTER] after selecting "Test pattern" on the "Picture Adj." menu. This will project the test pattern.

4 After setting is completed, press [EXIT]

• Each time you press the button, the menu returns to the previous one.

5 Repeat procedures 2 to 4 to set other items

6 After setting is fully completed, press [MENU]

• The menu will disappear from the screen.

Adjustments and Settings Using Menus (continued)

1 "Picture adjust" Menu

To adjust images.

On the "Picture Adj." menu, you can adjust the following items.

"Gamma"

Switches the gradation characteristics of the image. Select your preference setting values according to the image to be viewed.

Setting Values : "NORMAL", "A", "B", "CUSTOM"

"CUSTOM": Use when setting Gamma with optional software. The picture quality is same as "NORMAL" for factory setting.

"White Bal."

Adjusts the color temperature of the projected image.

Setting Values :	"6500", "CUST1", "CUST2"
"RED":	-255 to 0
"GREEN":	-255 to 0
"BLUE":	-255 to 0

"Test pattern"

Use this to adjust focus, screen size or picture quality. There are 10 types of test patterns. Press the [ENTER] or [TEST] button to alter the test pattern to be projected.

2 "Projector Opt" Menu

The following items can be set at the "Set up" menu.

"OSD position"

Adjusts the display position of the menu screen.

Setting Values (menu display position):

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"Blanking"

Masks (hides) the outer area of the projected image.

Setting Values : "2.5%", "5%", "Off"

"Source"

Sets the image format for video image signals that are input to this unit.

Ensure to align settings between this unit and the digital video processor that is connected.

Setting Values : "60P", "50P"

3 "Options" Menu

The following items can be set at the "Options" menu.

"OSD Timer"

Adjusts the display duration of the menu screen.

Setting Values : "15 sec", "On"

"H Orientation"

Reverses image to the left or right.

Setting Values : "FRNT", "REAR"

"V Orientation"

Inverses image upside down.

Setting Values : "FLR", "CEIL"

"V shift"

When projecting images with black bands at the top and bottom (cinema image), use this to move the image up or down while retaining one of the black bands at the upper or lower end.

Setting Values : -30 to 30

"Sleep time"

Sets the lapse time before automatically switching the unit to the standby mode when there is no signal input.

Setting Values : "15", "30", "60", "Off"

"RS232C (baud)"

Sets the communication speed (signal transmission speed) when communicating with automation equipment using the RS-232C terminal. Ensure that this is same as the rate set at the automation unit.

Setting Values : "9600", "19200"

4 "Information" Menu

"Lamp Hour"

Displays the accumulated hours of usage of the light-source

Screen Blanking





1 Project image onto the screen



2 Press the [MENU] button

• The main menu is displayed on the screen.



3 Press [▲/▼] to select "Projector Opt", followed by pressing [ENTER]

• The "Projector Opt" menu appears on the right side of the screen.



4 Press [▲/▼] to select "Blanking", followed by pressing [4/▶] to select the setting value

• Blanks (hides) the outer area of the projected image.





4 Press the [MENU] button to end

• The menu will disappear from the screen.

V Shift Setting

When projecting images with black bands at the top and bottom such as a 2:35 Cinemascope image, use this to move the image up or down while retaining one of the black bands at the upper or lower end.







2 Press the [MENU] button

• The main menu is displayed on the screen.



3 Press [**^**/**-**] to select "Options", followed by pressing [ENTER]

• The "Options" menu appears on the right side of the screen.



PICTURE ADJ	OSD TIMER	O15sec	ON
	H. ORIENTATION	FRNT	REAR
PROJECTOR OPT	V. ORIENTATION	FLR	CEIL
OPTIONS	V. SHIFT -12-		
INFORMATION	SLEEP TIME	●15 ●30	●60 ○ OFF
	RS232C baud	9600	019200

4 Press [▲/▼] to select "V Shift", followed by pressing [◀/▶] to select the setting value

• Set value in the positive (+) direction to move the image upwards and negative (-) direction to move downwards.



4 Press the [MENU] button to end

• The menu will disappear from the screen.

Replacing the Lamp (For service personnel only)

Lamp and Lamp Usage Time

The maximum life of the lamp used for this unit is about 2000 hours, and may be far less depending on the type of usage and projector settings.

• The lamp life may not reach 2000 hours depending on the operating conditions.

When the lamp approaches the end of its service life, deterioration progresses rapidly. Get ready or replace with a new lamp when the accumulated lamp usage time exceeds 1900 hours. Depending on the operating conditions, the lamp may have to be exchanged earlier. If the image is dark or color tone abnormal, replace the lamp as soon as possible. You can also check the accumulated hours of usage. Please refer to the "Lamp Hour" item of the "Information" menu. (Page 23,)

Please consult your authorized Vidikron dealer when purchasing a new lamp unit

■ When the lamp usage time exceeds 1000 hours

A message indicating "1000 h" will be displayed on the screen. • Press the [EXIT] button to clear the display.

- When the lamp usage time exceeds 1900 hours The [LAMP] indicator lights up.
- When starting projection after lamp usage time exceeds 1900 hours

The "Lamp replacement" message will be displayed on the screen.

• Press the [EXIT] button to clear the display.

When lamp usage time exceeds 2000 hours

The [LAMP] indicator starts to blink.

The "Warning" and "Lamp replacement" messages will be displayed on the projected screen with the "Warning" word blinking. • Press the [EXIT] button to clear the display.

However, the same "Warning" and "Lamp replacement" messages will be displayed again after 1 hour.

When the unit is switched to the standby mode or turned off after the lamp usage time exceeds 2000 hours, it cannot be switched back to the projection mode again. In this case, replace with a new lamp and reset the lamp time.

When the lamp usage time exceeds 2010 hours

The unit quits the projection mode (operating mode) and switches into the cool down mode.

- The [LAMP] and [OPERATE] indicators will start blinking.
- The projection mode (operating mode) cannot be restored until a new lamp is replaced and the lamp time reset.

About Lamp Replacement

- If this unit is installed in a constricted place, attempting to replace the lamp in that place may cause injury. Move this unit to a place large enough to perform the work.
- Use only genuine replacement parts for the lamp unit. Otherwise, malfunction may occur. Also, never attempt to re-use an old lamp unit. This may cause marked performance deterioration or lamp blowout, thus leading to unit malfunction. Broken pieces of the lamp outside this unit may also cause injuries during lamp unit exchange.
- Do not replace the lamp immediately after this unit has been used. The temperature of the lamp unit is still high and this may cause a burn. Allow a cooling period of 1 hour or more before replacement.
- Before replacing the lamp unit, pull out the power plug from the outlet while the [STAND BY] indicator is still on. Replacing a lamp with the plug connected to the outlet may cause injuries or electric shocks.

Resetting Lamp Time

After your Vidikron dealer installs a new lamp, he will reset the lamp time. The lamp time counter will be reset and a new count will start. If display of the accumulated lamp time has reached 2000 hours, this unit will not work (lamp does not light up) unless the lamp time is reset.

Cleaning and Replacing the Filter

Have your Vidikron dealer clean the filter regularly or air intake efficiency may deteriorate and malfunction may occur. If the filter is extremely dirty and cannot be cleaned, or if it is damaged, replace the filter with a new one. Otherwise, dirt may enter the unit and appear on the screen, preventing you from enjoying the video fully. If dirt has entered the unit or if you need information about the filter, please consult your authorized Vidikron dealer.

• The air inlet filter on the right side cannot be removed. Please have this cleaned regularly.

What to do when these messages are displayed



Warning Indication

About warning indicators

If an abnormality occurs in this unit during projection, the warning mode will be triggered and the type of abnormality will be indicated by a combination of indicators displayed on the control panel. This unit will then automatically stop projection and run the cooling fan for about 90 seconds.

No.		Indicator			Worning	
	[LAMP]	[TEMP]	[STAND BY]	[OPERATE]	warning	
1	Blinking		Blinking		Lamp does not light up and unit is unable to project	
2	Blinking	Blinking Simultaneously		Blinking	Lamp turned off during projection Lamp usage time has exceeded 2010 hours	
3	Blinking	Blinking			Circuits are not functioning properly (Circuit Operation Error)	
4	Blinking	Blinking Alternately Blinki		Blinking	Lamp cover is not installed	
5		Blinking			Internal temperature is abnormally high (Internal Temperature Error)	
6		Blinking	Blinking		Temperature at air inlets are high (External Temperature Error)	
7	Blinking	Blinking	Blinking	Blinking	Inner fan has stopped (Fan Locked)	

• For details on individually blinking indicators, please refer to Page 13.

Actions to be taken upon warning indications

Please follow the procedures below.

For Nos. 1-3

- No. 1: Perform procedures to turn on/off the power again.
- No. 2: After checking if an impact shock has not occurred during operation, perform procedures to turn on/off the power again. When the warning on lamp time is displayed, remove the power plug when the [STAND BY] indicator is still on, followed by installing a new lamp.
- No. 3: Perform procedures to turn on/off the power again.

For Nos. 4-7

Remove the power plug when the [STAND BY] indicator is on. After that, check No. 4 - No. 7.

- No. 4: Ensure that the lamp is correctly mounted into this unit. Next, ensure that the lamp cover is correctly mounted. After that, restart according to the basic operation procedures.
- No. 5: Check that nothing is blocking the air inlets, and wait until the inside cools down. After that, restart according to the basic operation procedures.
- No. 6: Check the ambient temperature. If it is normal, leave the unit until it cools down. After that, restart according to the basic operation procedures.
- No. 7: Leave the unit until it cools down. After that, restart according to the basic operation procedures. If the warning indication is displayed again, wait for the cooling fan to stop. Check that the [STAND BY] indicator is on, followed by removing the plug from the power outlet. Call your authorized dealer for repair.

Troubleshooting

Before sending the unit to your Vidikron dealer for repair, check the following points.

Symptom	m Probable Cause Corrective Action		Reference Page
Power is not supplied.	 Is the power cord disconnected? 	Insert the power cord (plug) firmly.	4-6, 20
	• Is the lamp cover properly shut?	Is the lamp cover properly shut? · Contact your Vidikron dealer for service.	
	• Is the filter cover properly shut?	Contact your Vidikron dealer for service.	30
	Has the lamp life expired? (Has the lamp usage time reached 2000 hours?)	 Contact your Vidikron dealer for installation of a new lamp. 	29
Light is not emitted or light is dim.	• Is the lamp near exhaustion?	• Check the lamp time on the menu. Contact your Vidikron dealer to replace as soon as possible when the lamp is near exhaustion.	23
Unit works when power is turned on but stops abruptly after a few minutes.	Are the air suction openings (air inlets) and exhaust vents blocked?	• Remove the plug when the [STAND BY] indicator is on. Remove any blocking object and insert the plug again.	30
	• Are the filters dirty?	Have your Vidikron dealer clean the filters.	30
Video image does not appear.	Are devices properly connected?	Connect devices correctly.	19
	Are signals being output from the connected devices?	Set connected devices correctly.	
	 Is the video image temporarily turned off when the [MUTE] button is being pressed? 	• Press the [MUTE] button to display the video image again.	14
Video image is fuzzy.	• Is the focus correctly adjusted?	 Adjust accordingly using the focus ring. 	21
	 Is the unit placed too near or too far away from the screen? 	• Set the unit at a correct distance from the screen.	16
Video images are missing.	Has setting been performed for screen blanking?	 Set the "Blanking" value in the "Set up" menu to "OFF". 	27
	Has setting been performed for V shift?	Alter the "V Shift" value in the "Op- tions" menu to ensure that images are not missing.	28
Remote control unit does not work.	Are batteries installed correctly?	Match the polarities (+ or -) correctly when inserting the batteries.	
	Are batteries exhausted?	Replace with new batteries.	
	 Is there an obstructive object be- tween the remote control unit and remote sensor? 	Remove any obstructive objects.	18
	 Is the remote control held too far away from the screen? 	• Hold the remote control closer to the sensor when using.	18

[•] This unit uses a microcomputer. External noise may cause it to malfunction. If this happens, turn off the power and remove the plug from the power outlet. Insert plug again into the outlet and check operation of the unit. (See Pages 4–6, 20 on how to turn on/off the power of the unit.)

Pin Arrangement

RS-232C Terminal



Pin No.	Signal Name	Pin No.	Signal Name
1	N/C	6	N/C
2	RD	7	N/C
3	TD	8	N/C
4	N/C	9	N/C
5	GND		

DVI Terminal



Pin No.	Signal Name	Pin No.	Signal Name	
1	TMDS data 2-	13	N/C	
2	TMDS data 2+	14	TMDS +5 V power supply	
3	TMDS data 2/4 shield	15	Earth (+5 V)	
4	N/C	16	Hot plug detection	
5	N/C	17	TMDS data 0-	
6	DDC clock	18	TMDS data 0+	
7	DDC data	19	TMDS data 0/5 shield	
8	N/C	20	N/C	
9	TMDS data 1-	21	N/C	
10	TMDS data 1+	22	TMDS clock shield	
11	TMDS data 1/3 shield	23	TMDS clock +	
12	N/C	24	TMDS clock -	
TMDS= Transition Minimized Differential Signaling DDC= Display Data Channel				

RS-232C External Control

Control of this unit via an automation control system is possible by connecting it to this unit with a RS-232C cross cable (D-sub 9 pins). The commands to control this unit and the response data format against the received commands are explained here. For details, please consult your authorized dealer.

1. Communication Specifications

Communication specification for this unit are as follows:

Baud Rate	9600/19200 bps
Data Length	8 bit
Parity	None
Stop Bit	1 bit
Flow Control	None

2. Command Format

2-1. Command data format

When sending a control command to this unit, use the following data format:

Header	ID	SP	Command	[SP	Parameter] CR	
Header			: Designates the	head of d	lata and the dat	a type.	
	! (21h): Assigns command to the projector						
	? (3Fh): Query to the projector (Asking command))		
		:1: Identification number of the projector (Factory setting is 1)				setting is 1)	
			: Designates the delimiter for ID, Command and Parameter. (20h)				
CR			: Designates the terminal of the data. (0Dh)				

* [] is not necessary for Asking command.

2-2. Response data format

Upon executing a control command it has received, this unit sends back the following response data to the automation control system:

Header ID SP	Normal Termination Status [SP Parameter] CR
Header	: Designates the head of the data.
	@ (40h): Fetches data from the projector
ID	: 1: Identification number of the projector (Factory setting is 1)
	: Designates the delimiter for ID, Command and Parameter. (20h)
Normal Termination Status	: 0 (30h)
CR	: Designates the terminal of the data. (0Dh)

2-3. Parameters used for the data format

The following 3 types of parameters are used for command and response data:

1 Numeric value 2 ON/OFF 3 Special parameters

Each parameter is as follows:

1 Numeric value

A 2-byte hexadecimal value (sign included) is represented by a set of 4-digit (4-byte) characters. Assignable range: 8000H to 7FFFH

2 ON/OFF

Shows the status (ON or OFF) of the unit, such as POWER and HIDE.

Character	Hex	Meaning
0	30	OFF
1	31	ON

3 Special Parameters

Parameters for input video-image format

Character	Hex	Meaning
0	30	60p
1	31	50p

Operation mode parameters

Character	Hex	Meaning
0000	30h 30h 30h 30h	Standby mode
0001	30h 30h 30h 31h	Power-on mode
0002	30h 30h 30h 32h	Cool down mode
0004	30h 30h 30h 34h	Emergency mode

3. External control command table

Function	Command	Asking		Data Type		
		Power On	ELSE	Numeric Value	ON / OFF	Special Data
Operate	U0F	Х	Х	Х	0	Х
MUTE	U00	0	Х	Х	0	Х
Left/Right Reversal	U17	0	Х	Х	0	Х
Top/Bottom Inversion	U18	0	Х	Х	0	Х
Operation Mode	Z03	0	0	Х	Х	0

Operation mode: Only Asking command is possible

Specifications

Projection Type:	D-ILA, 3-chip, 0.82 in. diagonal			
Native Resolution:	1920 x 1080 (16:9)			
Aspect Ratio:	4:3, Letterbox,16:9 Anamorphic			
DTV Compatibility:	480p, 720p, 1080i, 1080p			
Picture Size (16:9 screen):	Recommended Width: 72 – 96 in. Maximum Width: 240 in.			
Light Output:	<u>CSMS* Specifications</u> : Home Theater Calibration: 491 ANSI Lumens; 18.1 Foot-Lamberts (fL); 1050 ANSI Lumens			
Contrast Ratio:	2100:1 ANSI			
Lamp:	250 W UHP			
Estimated Lamp Life:	2000 Hours @ 6500 Kelvin			
Inputs:	(1) DVI w/HDCP, (1) RS-232			
Power Requirements:	100–240V AC, 350W			
Operating Environment:	40–95 F, (5–35 C)			
Dimensions (w/feet):	Width: 18 in. (457.2 mm) Depth: 20 1/8 in. (511.18 mm) Height: 6 in. (152.40 mm) Weight: 40 lbs. (18.14 kg)			
Regulatory Approvals:	FCC, CE, C-Tick			
Limited Warranty:	Projector: (2) years parts and labor from the date of delivery to the end user Lamp Warranty: 1000 hours or (6) six months, whichever comes first			

Dimensions



RUMA-011080 Version 1.0



Vidikron 2900 Faber Street Union City, CA 94587 510-324-5900 Fax 510-324-5905 1-888-4-VIDIKRON

SERIAL NUMBER

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