






Regulatory Notice

HC271/HC271p Clinical Review Monitors

-  HP Inc.,1501 Page Mill Road, Palo Alto, CA 94304, United States
-  **WARNING!** Electricity.
-  **CAUTION:** Indicates a hazardous situation that, if not avoided, could result in damage to equipment or loss of information.
-  Consult instructions for use.
-  Alternating current

Indications for use/intended use

This display is intended for healthcare professionals viewing patient information, records, medical examination images, or results in a hospital or clinical medical environment.

This display is not intended for use in interpreting or analyzing patient information, records, medical examination images, or results. The display is intended only to provide information to assist healthcare professionals in making an independent diagnosis or treatment decision regarding an individual patient.

Do not operate this display with any surgical, life-support, or radiological equipment (mammography equipment included).

Do not use this display with radiology, pathology, or mammography systems for patient diagnosis purposes.






Connecting to external devices

All the equipment intended to connect this display shall be certified according to international standards IEC60601-1, IEC60950 or other IEC/ISO Standards applicable to the equipment.

All configurations of equipment must comply with the system standard IEC60601-1. Connecting any additional equipment to the signal input port or signal output port of this display is considered configuring a medical system. Therefore, the system must comply with the requirements of the system standard IEC60601-1.

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Disconnecting devices

A power cord is included with the display. If another cord is used, use only a power source and connection appropriate for this display. For information on the correct power cord set to use with the display, refer to the *Product Notices* provided in your documentation kit.


-  **WARNING!** To reduce the risk of electric shock or damage to the equipment:
 - Plug the power cord into an AC outlet that is easily accessible at all times.
 - Disconnect power from the computer by unplugging the power cord from the AC outlet.
- If provided with a 3-pin attachment plug on the power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do not disable the power cord grounding pin, for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.
- Installations must be set up by qualified personnel only.
- It is the responsibility of the operating institution to choose qualified personnel for installation and operation of the device.

Cleaning the display

- Turn off the display.
- Disconnect any external devices.
- Wipe the exterior with a soft, water-dampened cloth to remove any visible soiling.
- Next, use any of the following germicidal wipe formulations to safely disinfect all exposed surfaces of your monitor. Refer to the directions for use provided by the manufacturer of the wipes.


-  **CAUTION:** The cloth should be moist, but not wet. Water dripping into the ventilation or other points of entry can cause damage to the monitor. Allow the unit to air-dry before use.

Technical specifications

 All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.


For the latest specifications or additional specifications on this product, go to http://www.hp.com/go/quickspecs/ and search for your specific display model to find the model-specific QuickSpecs.

Display
68.6 cm (27.0 in) wide screen
Type
AHVA
Viewable image size
68.6 cm (27.0 in) diagonal
Weight (Net)
HC271: 5.0 kg (11.0 lbs)
HC271p: 5.15 kg (11.4 lbs)
Weight with stand*
HC271: 7.16 kg (15.8 lbs)
HC271p: 7.31 kg (16.1 lbs)
* (Optional) HP Stand Kit, product number 4BX37AA, Weight: 2160 g, Dimensions: 210 x 196.9 x 434.8 mm (W x H x D)
Dimensions
Height
Display head only: 39.25 cm (15.45 in)
With stand: 55.79 cm (21.96 in)
Depth
Display head only: 5.11 cm (2.01 in)
With stand: 19.7 cm (7.76 in)
Width
Display head only: 64.41 cm (25.36 in)
With stand: 64.41 cm (25.36 in)
Maximum graphic resolution
2560 x 1440 (60 Hz)
Optimum graphic resolution
2560 x 1440 (60 Hz)
Dot pitch
0.233 (H) x 0.233 (V) mm
Pixels per inch
109 PPI
Horizontal frequency
30 kHz to 90 kHz
Vertical refresh rate
50 Hz to 60 Hz

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<div><div><div><div><div></div></div></div>PRINTER: Replace this box with Printed-In (PI) Statement(s) as per spec. NOTE: This box is simply a placeholder. PI Statement(s) do not have to fit inside the box but should be placed in this area.</div></div>
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L39819-DN2

Environmental requirements

Temperature
Operating 5°C to 35°C (41°F to 95°F)

Storage/transportation
-20°C to 60°C (-3.99°F to 140°F)

Humidity
Operating: 20%-80%
Storage/transportation: 5% to 95% RH at 38.7°C

Altitude
Operating 0 m to 2,000 m (0 to 6,562 ft)
Storage/transportation: 0 m to 12,192 m (0 to 40,000 ft)

Atmospheric pressure range
Operating: 80 kPa to 101 kPa
Storage/transportation: 24.0 kPa to 101 kPa

Relative humidity
20% to 80%

Power source
100 V ac to 240 V ac 50/60 Hz

Measured power consumption
Full power: 55 W
Typical settings: 45 W
Sleep: <0.5 W
Off: <0.3 W



Input terminal
One DisplayPort port, one HDMI port, one VGA port, one USB Type-B port (upstream), and two USB 2.0 Type-A ports (downstream)

DICOM mode
HC271: available
HC271p: not available

IP Protection
IP32 on the front glass

Contacting HP

Go to www.hp.com/support to locate your user guide, drivers, and software. For safety, regulatory, and environmental information, refer to the *Product Notices* provided with your product.

 At 80 MHz and 800 MHz, the higher frequency range applies.
 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.
[†] 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 HC271/HC271p is used exceeds the applicable RF compliance level above, the HC271/HC271p should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the HC271/HC271p.
[‡] Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

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Second Edition: August 2018 First Edition: July 2018

EMC Notice

Electromagnetic immunity


Immunity test	IEC 60601 Test levels	Compliance level	Electromagnetic environment–Guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±15 kV air	±8 kV contact ±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%.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/ output lines	±2 kV for power supply lines ±1 kV for input/ output lines	The main power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV line(s) to line(s) ±2 kV line(s) to earth	±1 kV line(s) to line(s) ±2 kV line(s) to earth	The main power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	< 5% U _n 1 (> 95% dip in U _i) for 0.5 s cycle, 40% U _i (60% dip in U _i) for 5 cycles, 70% U _i (30% dip in U _i) for 25 cycles, < 5% U _i (>95% dip in U _i) for 5s	< 5% U _n (> 95% dip in U _i) for 0.5 cycle, 40% U _i (60% dip in U _i) for 5 cycles, 70% U _i (30% dip in U _i) for 25 cycles, < 5% U _i (>95% dip in U _i) for 5s	The main power quality should be that of a typical commercial or hospital environment. If the user of the HC271/HC271p requires continued operation during interruptions in the main power, it is recommended that the HC271/HC271p be powered from an uninterruptible power supply or a battery.
Power frequency (50 Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m	Power frequency magnetic fields should be at least characteristic of a typical location in a typical commercial or hospital environment.
Conducted RF induced by RF fields IEC 61000-4-6	3 Vrms 150 kHz - 80 MHz 6Vrms ISM and Amateur Radio Bands	3 Vrms 150 kHz - 80 MHz, 6Vrms ISM and Amateur Radio Bands	Portable and mobile RF communications equipment should be used no closer to any part of the OEV262H, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance: d = 1.2 √P, d = 1.2 √P 80 MHz to 800 MHz, d = 2.3 √P 800 MHz to 2.7 GHz, where P is the maximum output 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 determined by an electromagnetic site survey [†] , should be less than the compliance level in each frequency range [‡] . Interference may occur in the vicinity of equipment marked with the following symbol:
Radiated RF EM fields and Proximity fields from RF wireless communications equipment IEC 61000-4-3	10 V/m, 80 MHz – 2,7 GHz, 80% AM 1kHz 385MHz (18Hz Pulse Modulation) 450MHz (FM+/- 5kHz deviation 1kHz sine or 18Hz Pulse Modulation) 710MHz (217Hz PM) 745MHz (217Hz PM) 780MHz (217Hz PM) 810MHz (18Hz PM) 870MHz (18Hz PM) 930MHz (18Hz PM) 1720MHz (217Hz PM) 1845MHz (217Hz PM) 1970MHz (217Hz PM) 2450MHz (217Hz PM) 5240MHz (217Hz PM) 5500MHz (217Hz PM) 5785MHz (217Hz PM)	10 V/m 80 MHz – 2,7 GHz 27 V/m 28 V/m 28 V/m 28 V/m 28 V/m 28 V/m 28 V/m 28 V/m 9 V/m 9 V/m 9 V/m 9 V/m 9 V/m 9 V/m	

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

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Electromagnetic emissions

The HC271/HC271p is intended for use in the electromagnetic environment specified below. The customer or the user of the HC271/HC271p should assure that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment–Guidance
RF emissions CISPR 32	Group 1	The HC271/HC271p 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 32	Class B	The HC271/HC271p 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 IEC 61000-3-2	Class D	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Complies	

Disposal of waste equipment by users

 This symbol means do not dispose of your product with your other household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment. For more information, please contact your household waste disposal service or go to http://www.hp.com/recycle.

FCC Statement


This device complies with Part 15 and Part 18 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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Weight with stand*
HC271: 7.16 kg (15.8 lbs)
HC271p: 7.31 kg (16.1 lbs)
*(Optional) HP Stand Kit, product number 4BX37AA, Weight: 2160 g, Dimensions: 210 x 196.9 x 434.8 mm (W x H x D)

Dimensions
Height
Display head only: 39.25 cm (15.45 in)
With stand: 55.79 cm (21.96 in)
Depth
Display head only: 5.11 cm (2.01 in)
With stand: 19.7 cm (7.76 in)
Width
Display head only: 64.41 cm (25.36 in)
With stand: 64.41 cm (25.36 in)

Maximum graphic resolution
2560 x 1440 (60 Hz)

Optimum graphic resolution
2560 x 1440 (60 Hz)

Dot pitch
0.233 (H) x 0.233 (V) mm

Pixels per inch
109 PPI

Horizontal frequency
30 kHz to 90 kHz

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WARNING! Electricity.

Operating 5°C to 35°C (41°F to 95°F)

Environmental requirements
Temperature
Operating 5°C to 35°C (41°F to 95°F)
Storage/transportation
-20°C to 60°C (-3.99°F to 140°F)
Humidity
Operating: 20%-80%
Storage/transportation: 5% to 95% RH at 38.7°C

Altitude
Operating 0 m to 2,000 m (0 to 6,562 ft)
Storage/transportation: 0 m to 12,192 m (0 to 40,000 ft)
Atmospheric pressure range
Operating: 80 kPa to 101 kPa
Storage/transportation: 24.0 kPa to 101 kPa
Relative humidity
20% to 80%

Power source
100 V ac to 240 V ac 50/60 Hz

Measured power consumption
Full power: 55 W
Typical settings: 45 W
Sleep: <0.5 W
Off: <0.3 W

Input terminal
One DisplayPort port, one HDMI port, one VGA port, one USB Type-B port (upstream), and two USB 2.0 Type-A ports (downstream)

DICOM mode
HC271: available
HC271p: not available

IP Protection
IP32 on the front glass

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- CAUTION:** Indicates a hazardous situation that, if not avoided, could result in damage to equipment or loss of information.
- Consult instructions for use.
- Alternating current

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

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Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

EMC Notice

Electromagnetic immunity

Immunity test
IEC 60601 Test levels
Compliance level
Electromagnetic environment–Guidance

Electrostatic discharge (ESD) IEC 61000-4-2 ±8 kV contact ±15 kV air ±8 kV contact ±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%.

Electrical fast transient/burst IEC 61000-4-4 ±2 kV for power supply lines ±1 kV for input/ output lines ±2 kV for power supply lines ±1 kV for input/ output lines The main power quality should be that of a typical commercial or hospital environment

Surge IEC 61000-4-5 ±1 kV line(s) to line(s) ±2 kV line(s) to earth ±1 kV line(s) to line(s) ±2 kV line(s) to earth The main power quality should be that of a typical commercial or hospital environment.

Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11 < 5% U_n 1 (+95% dip in U_i) for 0.5 s cycle, 40% U_i (60% dip in U_i) for 5 cycles, 70% U_i (30% dip in U_i) for 25 cycles, < 5% U_n (+95% dip in U_i) for 5s < 5% U_n (+95% dip in U_i) for 0.5 cycle, 40% U_i (60% dip in U_i) for 5 cycles, 70% U_i (30% dip in U_i) for 25 cycles, < 5% U_n (+95% dip in U_i) for 5s The main power quality should be that of a typical commercial or hospital environment. If the user of the HC271/HC271p requires continued operation during interruptions in the main power, it is recommended that the HC271/HC271p be powered from an uninterruptible power supply or a battery.

Power frequency (50 Hz) magnetic field IEC 61000-4-8 30 A/m 30 A/m Power frequency magnetic fields should be at least characteristic of a typical location in a typical commercial or hospital environment.

Conducted RF induced by RF fields IEC 61000-4-6 3 Vrms 150 kHz - 80 MHz 6Vrms ISM and Amateur Radio Bands 3 Vrms 150 kHz - 80 MHz, 6Vrms ISM and Amateur Radio Bands Portable and mobile RF communications equipment should be used no closer to any part of the OEV262H, including cables, than the recommended separation distance calculated from the equation above to the frequency of the transmitter. Recommended separation distance: d = 1.2 √P, d = 1.2 √P 80 MHz to 800 MHz, d = 2.3 √P 800 MHz to 2.7 GHz, where P is the maximum output 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 determined by an electromagnetic site survey^a, should be less than the compliance level in each frequency range^b. Interference may occur in the vicinity of equipment marked with the following symbol:

Radiated RF EM fields and Proximity fields from RF wireless communications equipment IEC 61000-4-3 10 V/m, 80 MHz – 2,7 GHz, 80% AM 1kHz 10 V/m 80 MHz – 2,7 GHz Portable and mobile RF communications equipment should be used no closer to any part of the OEV262H, including cables, than the recommended separation distance calculated from the equation above to the frequency of the transmitter. Recommended separation distance: d = 1.2 √P, d = 1.2 √P 80 MHz to 800 MHz, d = 2.3 √P 800 MHz to 2.7 GHz, where P is the maximum output 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 determined by an electromagnetic site survey^a, should be less than the compliance level in each frequency range^b. Interference may occur in the vicinity of equipment marked with the following symbol:

450MHz (FM +/- 5kHz deviation 1kHz sine or 18Hz Pulse Modulation) 28 V/m

710MHz (217Hz PM) 9 V/m

745MHz (217Hz PM) 9 V/m

780MHz (217Hz PM) 9 V/m

810MHz (18Hz PM) 28 V/m

870MHz (18Hz PM) 28 V/m

930MHz (18Hz PM) 28 V/m

1720MHz (217Hz PM) 28 V/m

1845MHz (217Hz PM) 28 V/m

1970MHz (217Hz PM) 28 V/m

2450MHz (217Hz PM) 28 V/m

5240MHz (217Hz PM) 9 V/m

5500MHz (217Hz PM) 9 V/m

5785MHz (217Hz PM) 9 V/m

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