Video Touch 4K and MDR Video Touch Technical Specifications

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Documentation Notice

Regulatory and compliance

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Support
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Software Version
Video Touch 4K 3.0 and earlier
MDR Video Touch 1.32 and earlier

General warnings and precautions

To ensure patient safety and adhere to HIPAA Privacy Rule involving patient health information, the Healthcare provider shall assign a unique Accession Number and Medical Record Number (MRN) to identify individual patient's health record affiliated with the patient to prevent erroneous medical data and duplicate identification with other patients.

There is no impact to patient population, body part or tissue contact with MDR Video Touch and Video Touch 4K; it does not have any applied parts.

Disconnection of the power cord is needed to electrically isolate the unite from the supply mains, the unit should not be installed in such a way as to make that difficult.

Symbols glossary

ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

3082 - Manufacturer: Indicates the medical device manufacturer.

ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

Authorized representative in European Community: Indicates the authorized representative in the European union. Symbol is accompanied by the name and address of the authorized representative adjacent to the symbol.

ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

2497 - Date of Manufacture: Indicates the date when the medical device was manufactured.

ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

2493 - Catalog number: Indicates the manufacturer's catalog number so the medical device can be identified.

ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

2498 - Serial number: Indicates the manufacturer's serial number so that a specific medical device can be identified.

ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

1641 - Consult instructions for use: Indicates the need for the user to consult the instructions for use.

ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

0434A - Caution: Indicates the need for the user to consult the instructions for use for important information such as warnings and cautions.

ISO - 15223-1 - Medical devices - Symbols to be used with medical device labels, labeling, and information to be supplied.

2610 - Patient number: Indicates a unique number associated with an individual patient.

Quantity: Indicates the number of units.

Directive 2012/19/EU on waste electrical and electronic equipment (WEEE).

MD

ISO/DIS ISO 15223-1 - Medical devices - Symbols to be applied to be used with medical device labels, and information to be supplied.

Indicates the item is a medical device.

Front panel. Power status light indicator.

Green light - power on.

Front panel. SSD activity indicator.

Blinking light - active state.

Table of Contents

What are the Video Touch 4K and MDR Video Touch?

The Video Touch 4K and MDR Video Touch are the hardware devices that captures and sends high-resolution images and video from a wide range of modalities to PACS/VNA.They provide image and video capture and transfer at the point of care without the need for a workstation.

The Video Touch 4K and MDR Video Touch software are functionally the same, even though they have different hardware. When Video Touch 4K is specified, it may be assumed that this also applies to MDR Video Touch, unless it specifies that it apply to only one product.

The Video Touch 4K and MDR Video Touch have a built-in server that handles security, configuration, and the flow of data between the modalities and destination DICOM systems. However, the Video Touch 4K and MDR Video Touch can also connect to an external instance of PACSGear Enterprise Server to handle these functions.

To configure PACSGear Enterprise Server settings, administrators can use a browser-based interface called Core Server Console (CS Console). You can launch CS Console from a PC or within the Video Touch   4K and MDR Video Touch.

Video Touch 4K and MDR Video Touch Technical Specifications

Hardware specifications

The following table provides hardware specifications of the Video Touch 4K and MDR Video Touch.

I/O	Connectors and Adapters
Video in	Video Touch 4K - HDMI, SDI MDR Video Touch - DVI, BNC, VGA (with DVI-VGA adapter), component (with breakout cable), composite, SDI, HDSDI, HDMI, S Video
Video out	HDMI
Audio in	Stereo RCA
Audio out	Headphone, speaker (1/8" mini-jack)
Remote Trigger	BNC or 3.5 mm connector to SPST switch closure for remote triggering by external equipment
Power	For IT systems: Mean Well GST90A12-P1M For Medical systems: Mean Well GSM90A12-P2K

Installation and service

Installation by qualified service personnel requires less than one (1) hour. The Video Touch 4K can be installed with tools typically used by field service personnel. Replacement of the Video Touch 4K by qualified service personnel should not exceed one (1) hour.

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Do not modify this equipment without authorization of the manufacturer.

A hospital-grade power cord shall be used with Medical Systems. Disconnection of the power cord is required to isolate the equipment from electrical supply mains for service.

Marking

Each unit is marked with the part number, serial number and date of manufacture in accordance with applicable drawings and regulatory requirements.

Environmental requirements

Operation	
Temperature	0° C to +40° C (+32° F to 104° F)
Barometric pressure	700 hPa to 1060 hPa
Altitude	-450 to 3000 Meters
Relative humidity	5% to 95%, non-condensing
Ingress protection	IPX0

Transportation/Storage	
Temperature	-10° C to + 65° C (+14 F to +149° F)
Barometric pressure	700 hPa to 1060 hPa
Altitude	-450 to 3000 Meters
Relative humidity	5% to 95%, non-condensing

Preventative maintenance and cleaning

Sterilization is not intended. Routine cleaning using agents commonly used for that purpose shall not affect operation. For more details on maintenance and cleaning, consult Hyland Video Touch 4K and MDR Video Touch User Help (eIFU) located at https://community.hyland.com/support.

Operation

Control of the Video Touch 4K shall be by hand by a trained operator, or controlled automatically by another device. Operation information is provided on electronic or other media. Operator training is available.

Video Touch 4K accessories shall be appropriate for the intended environment.

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IT security measures

PACSGear highly recommends firewall, anti-virus, anti-intrusion and communication encryption certificate controls on computers running PACSGear products. It is up to the customer to deploy and maintain these controls and integrate with existing network security control setups.

Protection against unauthorized access through user controls

You can configure PACSGear products to use customer's user-access controls, such as Active Directory or LDAP, as well as local user accounts. Local user account information is stored with strong encryption and protection against unauthorized access. Configuring and maintaining user access controls are detailed in the User Help for the product.

Access control to the server database

PACSGear products that require databases provide a default installation of SQL with strong passwords for access. Alternatively, customer-supplied databases may also be used, in which case it is the responsibility of the customer to provide strong encryption and password protection.

Expected lifetime

The Video Touch 4K expected service life is at least five years of normal operation.

Input voltage requirements

IT systems

The Video Touch 4K Power Supply is rated 100 – 240VAC, 2.5 – 1.0A, 50 – 60 Hz.

Medical systems

The Video Touch 4K is rated 100 – 240VAC, 50 – 60 Hz, 140VA.

Mechanical specifications

Video Touch 4K

Dimensions

The Video Touch 4K, not including connectors and mounting feet, has the following dimension

Dimensions	Metric (cm) ± .3 cm	English (Inches) ±.1 inch
Height	24.5	9.6
Width	12.7	5
Depth	27.9	11

Weight

The Video Touch 4K, not including connectors and mounting feet, weighs 3.8 kg (8.5 lbs.).

VESA mounting

Video Touch 4K shall have standard VESA 75mm and 100mm mounts.

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Shipping dimensions and weight

Dimensions

Dimensions	Metric (cm) ± .3 cm	English (Inches) ±.1 inch
Height	44.5	17.5
Width	22.6	8 7/8
Depth	36.8	14.5

Weight

The shipping container, with Video Touch 4K and accessories, weighs 8.5 kg (18.74 lbs.).

MDR Video Touch

Dimensions

The MDR Video Touch, not including connectors and mounting feet, has the following dimension

Dimensions	Metric (cm) ± .3 cm	English (Inches) ±.1 inch
Height	13.7	5.4
Width	25.2	9.9
Depth	22.0	8.7

Weight

The MDR Video Touch weighs 4.1 kg (9 lbs).

Shipping dimensions and weight

Dimensions

Dimensions	Metric (cm) ± .3 cm	English (Inches) ±.1 inch
Height	34.3	13.5
Width	30.5	12
Depth	35.6	14

Weight

The shipping container, with MDR Video Touch and accessories, weighs 6.8 kg (15 lbs).