

Brand Name or Equal Worksheet (“Salient Characteristics”)

4/4/2017

Brand Name Item: **Panasonic 3CCD HD Camera Model 9214HD**

1) Essential/significant physical, functional, or performance characteristics.

Salient characteristics are those characteristics that make an item equal to the brand name item we specify.

Specifically, salient characteristics are those characteristic of the brand name item that the VA needs..

This system must include the following for full functioning needs:

Interfaces with the Kay Device Settings Utility which are software/hardware connections that were made during the system creation at the manufacturer and automatically configures certain operations together such as camera control by the systems computer. The camera/endoscope settings are specified to this exact camera/model/serial number as per the operating manual. The settings are downloaded to the camera via the HD Digital Stroboscope application software.

a) Compatibility – Panasonic GP-US932CSA is systemically compatible and able to interface with the Kay Device Settings Utility on multiple Pentax digital systems present in the OBVAMC Speech Pathology clinic such as the Pentax HD Stroboscopy system and the KayPentax Digital Swallowing Workstations.

b) Dimensions – (see attachment)

c) Weight- (see attachment)

d) Industry Standard – N/A

e) Purpose – The HD 3CCD camera is a standard component used in examinations needing to capture and record HD imagery quality of the mucosa and anatomical structures of the pharynx and larynx.

f) Governing Body or Organization – N/A

1) Complete generic identification – HD 3CCD Digital Camera body, camera control unit, power supply, cable for all connectors within the system and output cables.

2) Applicable model/make/catalog number – Panasonic 3CCD HD Camera Model 9214HD

3) Manufacturer name – PENTAX MEDICAL

KayPentax, A Division of PENTAX Medical Company
3 Paragon Dr
Montvale, NJ 07645
(800) 289-5297 (201) 391-2063 fax
www.kaypentax.com

Per VAAR 811.104 and 811.105, I certify the following regarding the above information:

- The salient characteristics listed above are essential to the Government’s requirements.
- To my knowledge, the restrictions listed above will not limit the acquisition to an item peculiar to one manufacture.

Name:

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(ATTACHMENT)

Appendix C– Camera Specifications and Settings Specifications

Model 9214HD (Panasonic GP-US932CSA) Specifications

Power Supply	12V DC \pm 10%	
Power Consumption		Approx. 16.8 W (including a camera head)
Pick Up System		Micro Prism System
Image Sensor		Three 1/3-inch IT progressive CCDs
Synchronization		Internal or external synchronization
Video Output		Video output: BNC connector x1, 1.0 V[P-P]/75 Ω

S-Video output: S-video connector x1
Y: 0.714 V[P-P]/75 Ω
C: 0.286 V[P-P]/75 Ω
RGB/YPbPr output: D-sub 9-pin connector x1
R, G, B: 0.7 V[P-P]/75 Ω
Y: 0.7 V[P-P]/75 Ω
Pb, Pr: 0.525 V[P-P]/75 Ω
SYNC: 0.6 V[P-P]/75 Ω (at output using 1080i, 720p),
0.3 V[P-P]/75 Ω (at output using 480p, 480i)
VIDEO: 1.0 V[P-P]/75 Ω
HDMI output: HDMI connector x1
SDI output: BNC connector x2

Video Format	Video output: 480/59.94i S-Video output: 480/59.94i
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RGB/YPbPr output: 1080/59.94i, 1080/29.97p(sF), 720/59.94p, 480/59.94p, 480/59.94i
HDMI output: 1080/59.94p, 1080/59.94i, 1080/29.97p(sF), 720/59.94p, 480/59.94p, 480/59.94i
SDI output: 1080/59.94i, 1080/29.97p(sF), 720/59.94p, 480/59.94i

Required Illumination	2,000 lx (3,200 K, F8)
Minimum Illumination	12 lx (F2.2, GAIN: HIGH, 30% output, at center)
Signal-to-Noise Ratio	54 dB (at output using 1080i)
Horizontal Resolution	700 TV lines (at center, when 1080i output)
Color Bar	SMPTE color bar with 0% set-up
Functions	Camera title, ELC, electronic shutter, gain adjustment, electronic sensitivity enhancement, output signal switching, scene file, white balance, black balance, synchronization, electronic zoon, image freezing, flip, mirror, status display
External Control	RS-232C D-sub 9-pin connector x1
Ambient Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Ambient Humidity	30% to 90%
Dimensions	Control Body: 170(W) x 44(H) x 229 (D) mm (6-11/16”(W) x 1-3/4”(H) x 9-1/16” (D)) (excluding rubber feet and projections) Camera Head: 37(W) x 47(H) x 54(D) mm (1-7/16”(W) x 1-7/8”(H) x 2-1/8”(D) (excluding tripod socket and projections)
Weight	Control Body: 1.45 kg (3.2 lbs); Camera Head: 140 g (0.3 lbs)

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Camera/Endoscope Settings (Files)

Model 9214HD (Panasonic GP-US932CSA) Settings

KayPentax

Rigid

Endoscope

Model

9106

Page	Parameter	Halogen	Strobe
	Camera ID	ON	ON
1 - Global			
ELC	OFF		OFF
Shutter	OFF		OFF
GAIN	OFF		OFF
SENS UP	OFF		OFF
Output	YPbPr		YPbPr
HDMI Out	YPbPr		YPbPr
2 - Global	Scene File	File1	File2
White Bal	MANU		MANU
Black Bal	MANU		MANU
SYNC	INT		INT
3 - Global	Electric Zoom	OFF	OFF
Freeze	OFF		OFF
Flip	OFF		OFF
Mirror	OFF		OFF
Status	OFF		OFF
1 - Scene	DTL Mode	*MANU (2,20)	*MANU (2,20)
RED DTL	OFF		LOW
GAMMA	45		45
KNEE	MANU		MANU
Black Stretch	OFF		OFF
D-Normal	NORMAL		NORMAL
White Clip	110		110
2 - Scene	FLARE COMP	OFF	OFF
DNR	LOW		LOW
MATRIX	USER		USER
Chroma	145		145 - 160
Total PED	76		76
File Label	OFF		OFF
AWC Memory	1		1