

Your Vision, Our Future



## **OTV-S200 Video System Center**



## OTV-S200

 $\cdot$  All in one 2D processor and light source: Compact system that takes up less room in the OR.

- · LCD touch panel:
  - Intuitive handling and set up.
  - Pre-sets allow easy staff rotation and training.
- $\cdot$  LED light source:
  - Reduction in running cost by LED's long life characteristic
- $\cdot$  Accomplished natural color reproduction with the combination of enhanced imaging process

Power Supply     Reted voltage     100-240 V AC; within ±10%       Power Supply     Reted inquancy     50/69 Hz; within ±1 Hz       Reted input     400 VA       Size     Dimensions (maximum)     383 (W) × 190 (H) × 506 (D) mm       Visit     19.3 kg     Analog signal output     VBS composite and V/C; simultaneous outputs possible.       Digital signal output     VBS composite and V/C; simultaneous outputs possible.     Digital signal output     VBS composite and V/C; simultaneous outputs possible.       Digital signal output     VBS composite and V/C; simultaneous outputs possible.     Digital signal output     VBS composite and V/C; simultaneous outputs possible.       Digital signal output     VBS composite and V/C; simultaneous outputs possible.     Digital signal output     PDS SIMPTE222M, DM (MUXCA 1080 pixels, or SXAA can be selected)       Observation     Deficiel-digital observation     The optical-digital observation mode uses the infrared light.       Proceeding format     The optical-digital output sequence can be selected.     The optical-digital observation mode uses the infrared light.       Proceeding format     JFE (1/5): Approx. 1/5 compression     Approx. 120 images       Decumentation     JFE (1/6): Approx. 1/7 compression     Approx. 100 images     Approx. 100 images <t< th=""><th colspan="5">Specifications</th></t<>	Specifications				
Rated input     400 VA       Size     Dimensions (maximum)     S88 (W) × 199 (H) × 506 (D) mm       Size     Weight     19.3 kg       Vestight     19.3 kg     VBS composite and V/C; simultaneous outputs possible.       Dight signal output     VBS composite and V/C; simultaneous outputs possible.     Dight signal output     VBS composite and V/C; simultaneous outputs possible.       Observation     Control-dight lignal output     HD-SDI (SMPTE292M), DVI WUXGA, 1080 pixels, or SXGA can be selected)     Test of the image antigramment level can be selected.     Test of the image antigramment level can be selected.       Observation     The optical-dight al observation can be performed. The endoscope compatible with the optical-dight al observation in rodu uses the infrared light.       Decommentation     Renorting format arrange antigramment level can be selected.     The observation mode uses the infrared light.       Decommentation     Renorting format arrange antigramment level council disposition in mode uses the infrared light.     The observation in the indepees.       Illumination in internal memory     The following ancillary dupipment can be controled (sposition modes only).     The optical provides in the recording images in internal memory.     Wile on provides in the recording images in internal memory.       Illumination     LED     Control     Approx. 1/5 compressio		Rated voltage	100–240 V AC; within ±10%		
Size     Dimensions (maximum)     383 (W) × 199 (H) × 506 (D) mm       Weight     19.3 kg       Availog signal output     VBS composite and V/C, simultaneous outputs possible.       Observation     Digital signal output     HD-SDI (SMPTE292M), DVI (WUXQA 1080 pixels, or SXGA can be selected)       Deciservation     The image enlargement level can be selected. 3 modes (1.0×, 1.2×, 1.5×)       Optical-rigital observation     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.       NBI observation     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.       Percenting in second provide in any percenting of the optical-digital observation is required.     The optical-digital observation mode uses the infrared light.       Percenting in second provide in any percenting of the optical optical comparison in any percenting in infernal memory / Video recorder / Video primerx / Image filing system     THE: no compression Approx. 120 images       Internal memory     IPEG (1/10): Approx. 1/10 compression Approx. 1108 images in infernal memory are are the image.     IPEG (1/10): Approx. 1/10 compression Approx. 1108 images       Illumination     Examination lamp     LED     IPEG (1/10): Approx. 1/10 compression Approx. 1108 images       Illumination     Forceed-air cocoling     IPEG (1/10): Approx. 1/10	Power Supply	Rated frequency	50/60 Hz; within ±1 Hz		
Size     Weight     19.3 kg       Velight     19.3 kg       Analog signal output     VBS composite and Y/C; simultaneous outputs possible.       Digital signal output     HD-SDI (SMPTE292M), DVI (MUXQA, 1980 pixels, or SXGA can be selected)       Electronic zoom     The image enlargement level can be selected. 3 modes (1.0×, 1.2×, 1.5×)       Optical-digital observation     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.       NBI observation     The optical-digital observation can be controlid (specified models or N).       Periodic format and number of recording format and number of in inemal memory     The following anality equipment can be controlid (specified models or N).       PEEG (1/10): Approx. 1/10 compression     Approx. 120 images       Illumination     TEF: no compression     Approx. 120 images       Decing images in internal images     JEEG (1/10): Approx. 1/10 compression     Approx. 100 images       TEF: no compression     Approx. 1108 images     JEEG (1/10): Approx. 1102 images       The according format and number of internal images.     JEEG (1/10): Approx. 1102 compression     Approx. 1108 images       TEF: no compression     Approx. 1108 images     JEEG (1/10): Approx. 1102 images     JEEG (1/10): Approx. 1102 images		Rated input	400 VA		
Weight     19.3 kg       Analog signal output     VBS composite and V/C; simultaneous outputs possible.       Digital signal output     HD-SDI (SMPTE292M), DVI (WUXGA, 1080 pixels, or SXGA can be selected).       Optical-idigital     The image enlargement level can be selected. 3 modes (1, 0x, 1, 2x, 1, 5x).       Optical-idigital     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.       NBI observation     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.       NBI observation     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.       NBI observation     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.       NBI observation     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation.       NBI observation     Remote control     The following architecy of video control.       Portable memory / Video recorder / Video printer / Image fling system     The control optical-digital observation.       NBI observation     Approx. 110 compression     Approx. 1108 images       The earce the numbers of the recording images.     The observation.       Observation methed <th rowspan="2">Size</th> <th>Dimensions (maximum)</th> <th colspan="2">383 (W) × 199 (H) × 506 (D) mm</th>	Size	Dimensions (maximum)	383 (W) × 199 (H) × 506 (D) mm		
Distantial signal output     HD-SDI (SMPTE282M), DVI (WUXGA,1080 pixels, or SXGA can be selected.)       Distantial signal output     HD-SDI (SMPTE282M), DVI (WUXGA,1080 pixels, or SXGA can be selected.)       Betchnic zoom     The image enlargement level can be selected. 3 modes (1.0x, 1.2x, 1.5x)       Observation     The optical-digital doservation can be performed. The endoscope compatible with the optical-digital doservation is required.       NBI observation     The following ancillary equipment can be controlled (specified models only). - Portable memory) - Video recorder / Video printer / - Image filing system       Decumentation     Recording format neoording images in internet memory     TFF: no compression Approx. 120 images       JPEG (1/10): Approx. 1/10 compression Approx. 108 images     JPEG (1/10): Approx. 1/10 compression Approx. 108 images       Internet memory     Examination lamp     LED       Cooling     Forced-air cooling     WL or NBI observation       Observation mode     UL Or NBI observation     If observation       IB observation     Deve control     Automatic brightness adjustment method     LED       Brightness mode in internet method     LED drive current control     Auto       Automatic brightness adjustment method     Casis I     Casis I       Cossification (Medicai Explored     Depred protecti		Weight	19.3 kg		
Observation     Electronic zoom     The image enlargement level can be selected. 3 modes (1.0.x, 1.2.x, 1.5x)       Optical-digital observation     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.       Optical-digital observation     NBI observation     This observation mode uses the narrow-band light.       If the optical-digital observation     This observation mode uses the infrared light.       Recording format and number of notement and numbers of the recording images when both HDTV and SDTV images are recorded. These numbers vary depending on the images.       Billumination     Examination lamp     LED       Coloning     Forced-air cooling     WLI or NBI observation       Observation mode brightness Adjustment     LED drive current control     WLI or NBI observation       Automatic brightness adjustment method allot is brightness adjustment method     LED drive current control       Automatic brightness adjustment method     ED drive current control       Automatic exposure     17 steps       Prightness mode     ED drive current control       Automatic brightness adjust electric shock of allot control     Cass 1       Degree of protection against electric shock of apipled	Observation	Analog signal output	VBS composite and Y/C; simultaneous outputs possible.		
Closervation     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.       Optical-digital observation     NBI observation     This observation mode uses the narrow-band light.       IR observation     IR observation     This observation mode uses the infrared light.       IR observation     The following ancillary equipment can be controlled (specified modes only). -Portable memory / Video printer / Image filing system       IR ecording format and number of recording format and number of recording images in internal memory     JPEG (1/0): Approx. 1/15 compression     Approx. 200 images       JPEG (1/10): Approx. 1/15 compression     Approx. 100 images     JPEG (1/10): Approx. 1/10 compression     Approx. 100 images       Illumination     Examination lamp     LED     These are the numbers of the recording images when both HDTV and SDTV images are recorded. These numbers vary depending on the images.       Automatic brightness adjustment method     LED drive current control     Recording the current control       Automatic exposure     17 steps     Auto       Brightness mode     Cassification (when connecting to CLV-S200-IR)     Auto       Automatic exposure     Cassification (mages in electric shock     Cass 1       Generatic shock     Cass 1     Cassification (mages in electric shock in		Digital signal output	HD-SDI (SMPTE292M), DVI (WUXGA,1080 pixels, or SXGA can be selected)		
Potcal-digital observation     The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.       NBI observation     NBI observation     This observation mode uses the narrow-band light.       IR observation     This observation mode uses the infrared light.     IR observation       IR observation     This observation mode uses the infrared light.     This observation       Percending format and number of recording images in infernal memory     The filowing ancillary equipment can be controlled (specified models only). - Portable memory / Video recorder / Video printer / - Image filing system       JPEG (1/10): Approx. 1/10 compression     Approx. 120 images       JPEG (1/10): Approx. 1/10 compression     Approx. 1108 images       Internal memory     These are the numbers of the recording images when both HDTV and SDTV images are recorded. These numbers vary depending on the images.       Cooling     Forced-air cooling       Mutomatic brightness Adjustment     Automatic brightness adjustment method       IR observation (when connecting to CLV-S200-IR)     Automatic exposure       Brightness mode adjustment method     LED drive current control       Mutomatic brightness     Auto       Degree of protection against electric shock     Class I       Degree of protection against electric shock		Electronic zoom	The image enlargement level can be selected. 3 modes (1.0x, 1.2x, 1.5x)		
observation     NBI observation     Ins observation     Ins observation       ind observation     ind observation     This observation mode uses the infrared light.       ind observation     ind observation     This observation mode uses the infrared light.       ind observation     ind observation     The following ancillary equipment can be controlled (specified models only).       ind output index     index on the entropy - Video recorder /			The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.		
Remote control     The following anoillary equipment can be controlled (specified models only). - Portable memory / · Video recorder / · Video printer / · Image filing system       Documentation     Recording format and number of recording images in internal memory     TIFF: no compression     Approx. 120 images       JPEG (1/16): Approx. 1/5 compression     Approx. 636 images     Image     Image       JPEG (1/10): Approx. 1/10 compression     Approx. 100 images     Image     Image       Illumination     Examination lamp     LED     Image     Image     Image       Automatic Brightness     Colling     Forced-air cooling     Image     Image     Image       Automatic Brightness     Automatic properties     LED     Image     Image     Image       Automatic brightness Adjustement     Automatic properties     Image     Image     Image     Image       Automatic brightness Adjustement     Image     Image     Image     Image     Image       Automatic properties     Image     Image     Image     Image     Image       Brightness Adjustement     Image     Image     Image     Image     Image       Degre			NBI observation	This observation mode uses the narrow-band light.	
Herrote control     · Portable memory /· Video recorder /· Video printer /· Image filing system       Documentation     Recording format and number of recording images in internal memory     TIFF: no compression     Approx. 120 images       JPEG (1/5): Approx. 1/5 compression     Approx. 636 images     JPEG (1/10): Approx. 1/10 compression     Approx. 108 images       Illumination     Examination lamp     LED     These are the numbers of the recording images when both HDTV and SDTV images are recorded. These numbers vary depending on the images.       Video recording to the images.     Cooling     Forced-air cooling       Video recording to the images.     WUL or NBI observation       Observation mode     WUL or NBI observation       Brightness Adjustment     Automatic brightness adjustment method     LED drive current control       Automatic Medical     Automatic exposure     17 steps       Prightness mode     Auto     Manual       Degree of protection against electric shock of     Class I       Degree of protection against electric shock of     Depends on applied part. Also refer to applied part (camera head or videoscope). applied part       Degree of protection     The video system center should be kent away from fammable gases			IR observation	This observation mode uses the infrared light.	
Documentation     Recording format and number of recording images in internal memory     JPEG (1/5): Approx. 1/5 compression     Approx. 636 images       JPEG (1/10): Approx. 1/10 compression     Approx. 108 images     Images     JPEG (1/10): Approx. 1/10 compression     Approx. 108 images       Illumination     Examination lamp     LED     These are the numbers of the recording images when both HDTV and SDTV images are recorded. These numbers vary depending on the images.       Illumination     Examination lamp     LED       Cooling     Forced-air cooling     WU or NBI observation       Observation mode     WU or NBI observation     WU or NBI observation       Observation mode     IED drive current control     IED drive current control       Automatic brightness Adjustment     Automatic brightness adjustment method     LED drive current control       Manual     Trae ser of protection against electric shock     Class I       Classification (Medical Electrical Equipment)     Degree of protection against applied part     Class I applied part. Also refer to applied part (camera head or videoscope). applied part	Documentation	Remote control			
Classification (Medical Equipment)   and number of recording images in internal memory   DEG (1/10): Approx. 1/10 compression   Approx. 1108 images     Illumination   Examination lamp   LE0     Cooling   Forced-air cooling     WL or NBI observation   WL or NBI observation     IR observation mode   WL or NBI observation     IR observation (when connecting to CLV-S200-IR)     Automatic brightness adjustment method   LED drive current control     Automatic exposure   17 steps     Prightness mode   LED drive current control     Automatic exposure   17 steps     Auto   Manual     Type of protection against electric shock   Class I     Degree of protection against electric shock of applied part   Depends on applied part. Also refer to applied part (camera head or videoscope).     Degree of protection   The video system center should be kent away from flammable pases		and number of - recording images	TIFF: no compression	Approx. 120 images	
recording images in internal memory     JPEG (1/10): Approx. 1/10 compression     Approx. 1108 images       These are the numbers of the recording images when both HDTV and SDTV images are recorded. These numbers vary depending on the images.       Illumination     Examination lamp     LED       Cooling     Forced-air cooling     WLI or NBI observation       Observation mode     WLI or NBI observation     WLI or NBI observation       Observation fightness     Automatic brightness     LED drive current control       Automatic brightness     LED drive current control     IED drive current control       Automatic brightness     Automatic exposure     17 steps       Auto     Manual     Manual       Classification     Degree of protection against electric shock of applied part     Degrees of protection       Degree of protection     Degrees on applied part. Also refer to applied part (camera head or videoscope). applied part			JPEG (1/5): Approx. 1/5 compression	Approx. 636 images	
Illumination   Examination lamp   LED     Illumination   Examination lamp   LED     Cooling   Forced-air cooling     Observation mode   WLI or NBI observation     Observation mode   IR observation (when connecting to CLV-S200-IR)     Automatic brightness   Automatic brightness     Adjustment   Automatic consorties     Brightness   Automatic exposure     Automatic spice of protection against electric shock   Class I     Classification (Medical Equipment)   Degree of protection against electric shock of applied part     Degree of protection   Depends on applied part. Also refer to applied part (camera head or videoscope).     Applied part   Degree of protection     Degree of protection   The video system center should be kent away from flammable gases			JPEG (1/10): Approx. 1/10 compression	Approx. 1108 images	
Illumination     Cooling     Forced-air cooling       Illumination     Observation mode     WLI or NBI observation       Observation mode     IR observation (when connecting to CLV-S200-IR)       Automatic brightness adjustment method     LED drive current control       Automatic exposure     17 steps       Adjustment     Auto       Brightness mode     Auto       Brightness mode     Auto       Brightness mode     Classification (Medical Electric shock     Class I       Degree of protection against electric shock of applied part     Depends on applied part. Also refer to applied part (camera head or videoscope).       Degree of protection     Depends on applied part. Also refer to applied part (camera head or videoscope).					
Illumination   University   WL or NBI observation     Observation mode   WL or NBI observation   IR observation (when connecting to CLV-S200-IR)     Automatic brightness adjustment method   LED drive current control     Automatic exposure   17 steps     Adjustment   Automatic exposure   17 steps     Adjustment   Auto     Brightness   Auto     Adjustment   Auto     Brightness mode   Auto     Type of protection against electric shock   Class I     Degree of protection against electric shock of applied part   Depends on applied part. Also refer to applied part (camera head or videoscope).     Degree of protection   Degree of protection   Depends on applied part. Also refer to applied part (camera head or videoscope).	Illumination	Examination lamp	LED		
WL or NBI observation       Observation mode     IR observation (when connecting to CLV-S200-IR)       Automatic brightness adjustment method     LED drive current control       Automatic exposure     17 steps       Adjustment     Auto       Brightness mode     Auto       Brightness mode     Auto       Brightness mode     Class I       Degree of protection against electric shock     Class I       Degree of protection against electric shock of applied part     Depends on applied part. Also refer to applied part (camera head or videoscope).       Degree of protection     The video system center should be kent away from flammable gases		Cooling	Forced-air cooling		
Automatic Brightness Adjustment   Automatic brightness adjustment method   LED drive current control     Automatic Brightness   Automatic exposure   17 steps     Adjustment   Automatic exposure   17 steps     Adjustment   Auto   Manual     Type of protection against electric shock   Class I     Degree of protection against electric shock of applied part   Depends on applied part. Also refer to applied part (camera head or videoscope).     Degree of protection   Type of protection   Depends on applied part. Also refer to applied part (camera head or videoscope).		Observation mode -	WLI or NBI observation		
Automatic Brightness Adjustment   Automatic exposure   17 steps     Automatic exposure   17 steps     Adjustment   Brightness mode   Auto     Brightness mode   Auto     Image: Classification (Medical Electrical Equipment)   Type of protection against electric shock of against electric shock of applied part   Class I     Degree of protection against electric shock of applied part   Depends on applied part. Also refer to applied part (camera head or videoscope).     Degree of protection   The video system center should be kent away from flammable gases			IR observation (when connecting to CLV-S200-IR)		
Brightness Adjustment   Automatic exposure   17 steps     Adjustment   Brightness mode   Auto     Brightness mode   Auto     Manual   Manual     Classification (Medical Electrical Equipment)   Type of protection against electric shock   Class I     Degree of protection against electric shock of applied part   Depends on applied part. Also refer to applied part (camera head or videoscope).     Degree of protection   The video system center should be kent away from flammable gases	Brightness	•	LED drive current control		
Brightness mode Manual   Classification (Medical Electrical Equipment) Type of protection against electric shock Class I   Degree of protection against electric shock of applied part Depends on applied part. Also refer to applied part (camera head or videoscope).   Degree of protection against electric shock of applied part Depends on applied part. Also refer to applied part (camera head or videoscope).		Automatic exposure	17 steps		
Manual   Type of protection against electric shock Class I   Classification (Medical Electrical Equipment) Degree of protection against electric shock of applied part Depends on applied part. Also refer to applied part (camera head or videoscope).   Degree of protection applied part Depends on applied part. Also refer to applied part (camera head or videoscope).   Degree of protection applied part The video system center should be kent away from flammable gases		Brightness mode -	Auto		
Classification (Medical Electrical Equipment) Degree of protection against electric shock of applied part Depends on applied part. Also refer to applied part (camera head or videoscope).   Degree of protection applied part Depends on applied part. Also refer to applied part (camera head or videoscope).			Manual		
(Medical Electrical Equipment) Degree of protection against electric shock of applied part Depends on applied part. Also refer to applied part (camera head or videoscope).   Degree of protection Degree of protection The video system center should be kent away from flammable gases.	(Medical Electrical		Class I		
Degree of protection The video system center should be kent away from flammable gases		against electric shock of	Depends on applied part. Also refer to applied part (camera head or videoscope).		
		•	The video system center should be kept away from flammable gases.		





OLYMPUS EUROPA SE & CO. KG Postbox 10 49 08, 20034 Hamburg, Germany Wendenstrasse 14–18, 20097 Hamburg, Germany Phone: +49 40 23773-0, Fax: +49 40 233765 www.olympus-europa.com