



# LUVIS

# Light

# Solution

vol. I

# LUVIS | M400 Camera



## Touch Control



Brightness Rotation  
(5 Steps)



Pattern Size Rotation  
(5 Steps)

## ARM Control Panel

### OT Light Control

- Light ON/OFF
- Mode Select  
(Endo, Max, Depth, Handle)

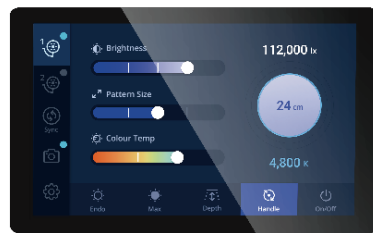
### Camera Control

- Zoom In/Out
- Focus In/Out, Auto
- Brightness Up/Down, Auto
- White Balance, Freeze

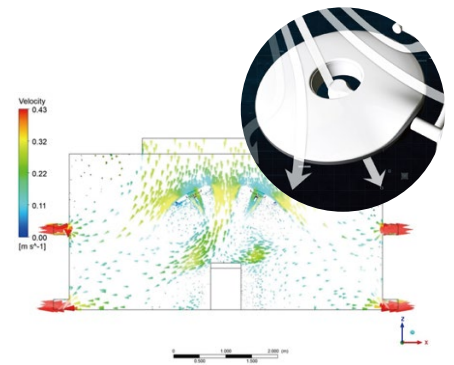
### Setting

- Room No., Version.

## Integration with Tablet PC



## Turbulence Intensity



Result of manufacturer's simulation

## Technical Specification

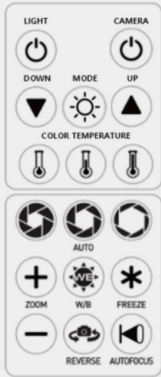
Installation Type	Ceiling, (Single/Dual), Mobile	Maximum Intensity (lx)	140,000
Head Size (cm)	63	C.R.I (Ra/R9)	99/99
No. of LED (ea)	72	Color Temperature (K)	3,600/4,200/4,800/5,400
Intensity Control (lx)	5 Steps (40,000-140,000)	Light Field Size (cm)	5 Steps (18-30)

## 4K Camera

Image Sensor	1/2.5-Type Exmor R
Lens	20X Optical Zoom
Image Point	Approx. 8.51 Megapixels
Resolution	4K : 2160p (3,840x2,160)
Video Signal	Digital : 6G-SDI (BNC)

# LUVIS | C500 Camera

## Remote Control



## Proximity Sensor



Light On/Off sensor (within 2cm)

## Resin Mode with a single touch



- Optically designed for cases that involve resin with a dedicated LED
- Almost no UV wavelength

## Technical Specification

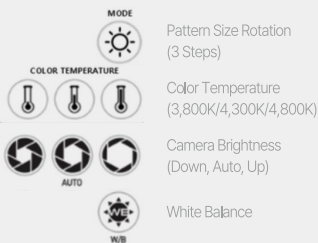
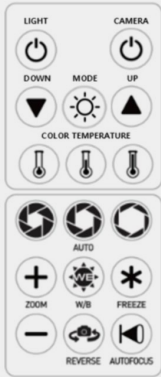
Installation Type	Chair, Wall, Mobile, Ceiling	Maximum Intensity (lx)	50,000
Head Size (cm)	28.4x16.5	C.R.I (Ra)	95
No. of LED (ea)	10	Color Temperature (K)	4,000/4,500/5,000
Intensity Control	Dial/Touch/Remote Control	Light Field Size (cm)	16x9

## Full-HD Camera

Image Sensor	1/2.8" SONY STARVIS CMOS
Lens	30X Optical Zoom
Image Point	Approx. 2.13 Megapixels
Resolution	Full HD 1080p (1,920x1,080)
Video Signal	Digital : HD-SDI (BNC)

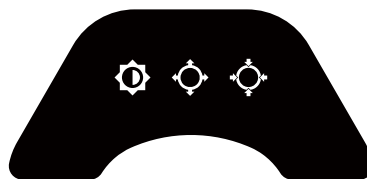
# LUVIS | S300 Camera




## Remote Control



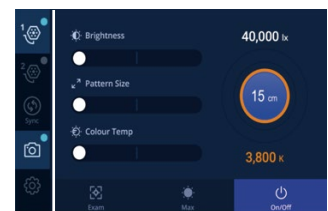
-  **Illumination Intensity**  
3 Step adjustment (Max. 130,000lx)
-  **Light Field Size**  
3 Step adjustment  
(Max. 25cm/Min. 15cm)
-  **Color Temperature**  
3,800K/4,300K/4,800K
-  **Color Rendering Index**  
Ra 96/R9 95
-  **Examination Mode**  
Intensity 3 Step adjustment  
(Max. 60,000lx)

## Handle Touch Control (Quick & Easy)



-  Intensity Control  
(1 → 2 → 3 → 1, Rotate)
-  Light Field Increase
-  Light Field Decrease

## ARM Touch Control



### OT Light Control

- Light Field Size, Intensity, Color Temperature
- Examination Mode
- Adjustable light field size with 3 levels and intensity control with 3 settings

## Technical Specification

Installation Type	Ceiling(Single/Dual), Mobile, Wall, Chair	Maximum Intensity (lx)	130,000
Head Size (cm)	42.2x40.9	C.R.I (Ra/R9)	96/95
No. of LED (ea)	41	Color Temperature (K)	3,800/4,300/4,800
Intensity Control (lx)	3 Steps (40,000-130,000)	Light Field Size (cm)	3 Steps (15-25, Circle)

## Full-HD Camera

Image Sensor	1/2.8" SONY STARVIS CMOS
Lens	30X Optical Zoom
Image Point	Approx. 2.13 Megapixels
Resolution	Full HD 1080p (1,920x1,080)
Video Signal	Digital : HD-SDI (BNC)

# LUVIS | C600



## Autoclavable Handle



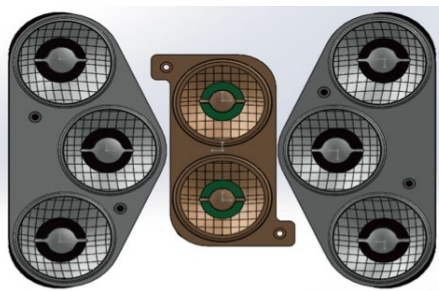
- Remove the HANDLE with a single button
- Sterilizable and removable handles for hygienic use

## Motion Sensor (Light On/Off)



- Light On/Off sensor (within 5cm) to prevent cross infection

## Hybrid Optical Design



- Reflector + Shield Type with a multi-angle design
- Lightweight optical design without lenses, eliminating color separation in patterns

## Resin Mode with a single touch



- Optically designed for cases that involve resin with a dedicated LED
- Almost no UV wavelength

## Technical Specification

Installation Type	Chair, Wall, Ceiling	Maximum Intensity (lx)	50,000
Head Size (cm)	26.3x19.6	C.R.I (Ra)	95
No. of LED (ea)	8	Color Temperature (K)	5,000
Light Intensity Control	Dial/Touch	Pattern Size (cm)	16x9

# Installation Cases

LUVIS | M400 Camera



LUVIS | S300 Camera



LUVIS | C500 Camera



LUVIS | C600



# Technical Specification

Model	M400 Camera	S300 Camera	C500 Camera	C600
Design (Light Head)				
Light Intensity (lx)	140,000	130,000	50,000	50,000
Color Rendering Index	Ra 99, R9 99	Ra 96, R9 95	Ra 95	Ra 95
Color Temperature (K)	3,600/4,200/4,800/5,400	3,800/4,300/4,800	4,000/4,500/5,000	5,000
Light Pattern (cm)	D18-30	D15-25	16x9	16x9
Head Size (cm)	63	42.2x40.9	28.4x16.5	26.3x19.6
Power Consumption (VA)	78	70	50	20
Power Input	100-240Vac, 50/60Hz	100-240Vac, 50/60Hz	12-24Vac, 50/60Hz (100-240Vac, 50/60Hz)	12-24Vac, 50/60Hz (100-240Vac, 50/60Hz)
No. of LED (ea)	72	41	10	8
Life Span (Hr)	60,000	60,000	60,000	60,000
Detachable Grip	Yes (2ea)	Yes (2ea)	Yes (1set)	Yes (1set)
Certificate	FDA/CE/MET	FDA/CE/MET	FDA/CE/MET	FDA/CE/MET
Installation Type	Ceiling (Single/Dual) Mobile	Ceiling(Single/Dual) Mobile Wall Chair	Chair Wall Mobile Ceiling	Chair Wall Ceiling
Optional	4K Camera Full-HD Camera Tablet PC (App) Backup Battery	Tablet PC (App) Backup Battery		

# LUVIS Light Solution

vol.1



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