

External Control Unit marTouch®



Modular design to satisfy individual requirements.

This universal control unit, optionally available as a table-top version for equipment carts, as a wall-mounting version, or for installation on a ceiling pendant or DIN rail using a VESA interface.

The marTouch® enables you to control all camera and light functions, irrespective of the light series and camera version used.

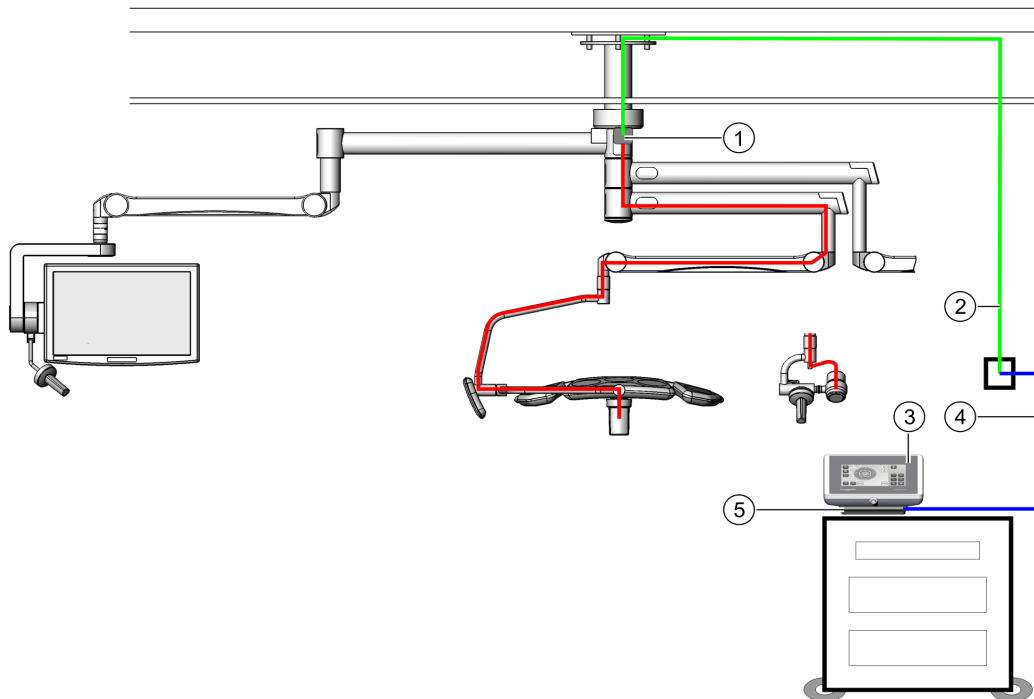
Thanks to the integrated touchscreen, function control is possible by a slight touch of the finger.

The following scenarios can be implemented with marTouch®:

- Using marTouch® for light control.
- Using marTouch® for light and camera control.
(In this set-up, the monitor is directly connected to the video signal output of the camera. Possible only when using a monitor.)
- Using marTouch® for light and camera control.
The camera signal is converted into the desired format using *NDS Scale OR* as an auxiliary device. This enables the connection of two terminal devices, e.g. monitors or recorders.
- Using marTouch® for light and camera control.
The camera signal is made available in networks as a data stream using *NDS Conduct OR* as an auxiliary device. This enables global transmission of images for training purposes, e.g. to lecture halls or expert groups.

Specifications subject to change without notice

Cabling diagram marTouch® / operating light with camera and monitor



- | | |
|---|---|
| 1 CAT cable interface | 4 Item no. 84-415-33-04 marTouch® coiled cable, 1.2 m (stretched out)
or
item no. 84-415-34-04 marTouch® coiled cable, 5 m (stretched out) |
| 2 Item no. 84-415-36-04 marTouch® CAT cable, 15 m, ceiling tube to wall, with wall interface | 5 Item no. 84-415-31-04 marTouch® table base
Optional:
Item no. 84-415-35-04 marTouch® table base with power supply unit (for retrofit)
Item no. 84-415-32-04 marTouch® VESA Mount (wall / arm) |
| 3 Item no. 84-415-30-04 marTouch® incl. standard cable, 2 m, straight | |

Specifications subject to change without notice

System versions

- Table-top version
- Wall-mounting version
- VESA mounting version

Components and options

- marTouch® control element
- marTouch® table base
- marTouch® VESA Mount mounting set
- marTouch® coiled cable, 1.2 m
- marTouch® coiled cable, 5 m
- marTouch® table base PSU (retrofit set)

Features

- Removable control element with touch screen
Resistive touchscreen

Control functions

Convenient control of all camera functions:

- Zoom
- Image rotation (cameras in light head)
- Still image
- Manual and automatic focus
- Manual shutter / automatic shutter
- Servomotorized and remote-controllable image erecting function (cameras in light head only)
- White balance

Light operation:

- ON/OFF
- Light field size
- Illuminance
- Light field form (variLUX)
- Color temperature
- backLite
- Boost

Specifications subject to change without notice

Description	marTouch®
Mode of operation	continuous operation
Supply system	no special requirements
Power supply (standard)	24 – 36 VDC / 10 W
Power supply (retrofit)	24 – 36 VDC / 10 W / 100 – 240 VAC 50 – 60 Hz, 15 VA
Approved power supply units	Switch-mode PSU DT12 medical, 24 V, Friwo no. 1826398
Control unit dimensions (W x H x D)	225 x 165 x 14 mm
Table base dimensions (W x H x D)	153.1 x 75.71 x 146.07 mm
Weight of marTouch® control unit	approx. 0.55 kg
Weight of table base, standard	approx. 0.2 kg
Weight of table base, retrofit	approx. 0.28 kg
Compatibility	marLED® operating lights, surgiCam® camera system
Conformity	CE
Wall-box connector standard	1 x 8-pin LEMO REDEL push-pull (control signals, supply) 1 x 3-pin circular socket with switching contact (for separate supply)
Protection class	II acc. to IEC 60601-1
IP degree of protection	42
Ambient conditions	
- Storage temperature	-10°C to +50°C (14–122°F) at 20–90% humidity (non-condensing)
- Operating temperature	+5°C to +40°C (41–104°F) at 30–80% humidity (non-condensing)
- Atmospheric pressure	min. 620–1,060 hPa
- Max. operating altitude	4,000 m above sea level

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