

Remote Camera Control Systems for Tall Tripods

The broad **PHOTOtowers** product line with six remote camera controls covers all requirements for photo shots of real estate objects from tall tripods.

The **Remote Control 2 Zoom** is the top model, which offers all features for a professional remote camera control. It supports digital, digital SLR and analog SLR cameras. The main benefit is the display of the original viewfinder image on the 6" color monitor on the control panel. This feature allows the precise pointing of the camera before shooting the image.



Remote Control 2 Zoom

The pan/tilt unit features a pan range of >360 deg. (horizontal). This allows shooting still photos and panoramic images. The integrated zoom motor controls the focal length of the zoom lens. The remote zoom, pan and tilt function is the best suited to find the best shooting angle for quality photographs.

An optional micro video camera to capture the live viewfinder image is provided for digital and analog SLR cameras. The video camera is mounted to the viewfinder of the SLR camera, and transmits the viewfinder image to the monitor on the ground. This system is far superior over add-on cameras, which are mounted to the accessory shoe of the camera.



Remote Control 1M and Sunshade

An internal re-chargeable battery powers the Remote Control 2 Zoom. It is independent from the external 230 VAC, or 12 VDC power provided by a motor vehicle.

The **Remote Control 1** is available with and without an integrated monitor. The Remote Control 1 comes without the monitor. A connector provides the video signal from the camera for an external monitor or DVD player.

The **Remote Control 1M** and **Remote Control 1M Plus** feature an integrated 4" color monitor. These remote control systems are specially designed to control digital cameras. With the exception of the remote zoom control and the micro video camera on the viewfinder (SLR cameras), all camera and pan/tilt functions can be controlled.

The **Remote Control 1M Plus** is integrated in a pilot case, which allows the storage of the long remote control cable from the control panel to the pan/tilt head.

The entry model is the **Remote Control Basic**. It is designed for the remote control of the camera by a laptop PC and remote capture software.

A small remote control is connected by a long cable to the pan/tilt head. This allows the remote control of the pan/tilt unit from the ground.

The camera control is provided by laptop PC with a long USB cable with repeaters.

Three ring screws on the pan/tilt unit hoist the control cables. These provide a strain relief for the control cables. The control cables are easy to install.

Four AA size batteries power the Remote Control Basic.



Pan/Tilt for RC 2 Zoom
with Sony DSC-R1



Pan/Tilt for RC Basic
with Konica-Minolta Dimage A2

A **Remote Capture Software** is required to control the camera on top of the telescoping mast. This software is either provided by the camera manufacturer as accessory or optional feature, or available from third party vendors.

All **Pan/Tilt Units** feature a camera mount to pre-select the tilt range from 15 deg. (up) to 60 deg. (down). The horizontal pan range is not limited, and therefore suitable for 360 deg. panoramic images and still photographs.

Specifications for Remote Camera Control Systems

Description	RC Basic	RC 1	RC 1M	RC 1M Plus	RC 2	RC 2 Zoom
Hor. pan range >360 deg.	✓	✓	✓	✓	✓	✓
Tilt range 30 deg.	✓	✓	✓	✓	✓	✓
Selectable +15 to - 60 deg.	✓	✓	✓	✓	✓	✓
Batteries for P/T head	✓	✓	☐	☐	☐	☐
Case for remote control	☐	✓	✓	✓	✓	✓
Case for remote control	☐	CD-Case	CD-Case	Pilot case	Pilot case	Pilot case
Integrated battery	☐	✓	✓	✓	✓	✓
Battery charger	☐	☐	✓	✓	✓	✓
Jack for ext. DC power	☐	☐	✓	✓	✓	✓
LCD-TFT Monitor	☐	☐	4" or 5"	4" or 5"	6"	6"
Jack for ext. video monitor	✓	✓	✓	✓	✓	✓
Remote control cable	up to 3	1	1	1	1	1
Sunshade	☐	☐	✓	✓	✓	✓
Remote shutter release	Option	✓	✓	✓	✓	✓
Custom shutter release	Option	Option	Option	Option	Option	Option
IR extension (*)	Option	Option	Option	Option	Option	Option
Remote capture / laptop	✓	✓	✓	✓	✓	✓
Aluminum camera case	Option	Option	Option	Option	Option	Option

(*) Remark: Infrared extension for cameras with IR remote control

Remote Camera Control (Functions for all Tall Tripod Systems)

• Pan/Tilt Unit:	Motorized pan/tilt, remote control, 360 deg. pan (horizontal), 0 deg. to -30 deg. (vertical), with pre-selection from +15 deg. (upward) to -60 deg. (downward)
• Remote Zoom Motor:	Remote control zoom motor, adjustable for different lens barrel sizes. Only available for Remote Control 2 Zoom.
• Shutter Release:	Electric remote shutter release button on the control panel
• Display of the Viewfinder Image (digital cameras):	Integrated color monitor or external monitor / DVD player, depending on the remote camera control model. The viewfinder image can also be displayed by the remote capture software on the laptop PC (connected to the camera by a USB cable).
• Display of the Viewfinder Image (digital SLR and analog SLR cameras):	Micro color video camera, which is mounted to the viewfinder, transmits the viewfinder image to the monitor on the ground. As digital SLR cameras only provide the video out signal for the last stored image, the live viewfinder image is not available from the camera.
• Systems Control:	Operators panel on the ground to support all functions. External or integrated 12 VDC batteries and battery charger (models with integrated monitor).