

## SPIDERCAM

## TECHNICAL DETAILS

MOTOR WINCHES	Four motor winches are installed at-grade, each of them is winding a rope running through pulleys. Each winch weighs 290kg and measures 850x1500x900 mm, alternatively 175kg measuring 650x1250x650 mm . The four winches are connected circularily with a multiple fiber optics cable connected with the control unit at the operator desk. The winches should be positioned perpendictularly under the pulleys
TRACTIVE FORCE AND CATERNARY SAG	Each of the four ropes is loaded with a maximum tractive force of 80kg. That means a catenary sag of 10% - this is equivalent to approximately 1/10 of the diagonal distance. A distance of 150 m matches a sag of 15 m. An operating altitude of e.g. 20 m requires suspension points fixed at a height of 35 m
DOLLY	The power for the camera is supplied by four storage batteries which have to be changed after 6-8 hours. The dolly is protected against rain and it is two-axis gyro stabilized
POWER SUPPLY	Each winch requires a 400V/32A CEE bus bar. Additionally it takes a 230V/16A shockproof socket at the operator desk
HD CAMERA	Optionally a Hitachi DK-H31 or a Panasonic AK-HC 1500 HD, for film we advise ARRI 235, further formats available on request
LENSE	Fujinon 2/3" wide angle 13 x 4,5 mm, Canon 2/3" wide angle 11 x 4,5 mm
VIDEO	The video is transmitted via fiber optics woven in the control cable – no data loss, no wireless transmission
CCU	Lenze control should be operated by outside broadcast van
POSITION OF THE OPERATOR	The operator must have a clear view over the area the system is moving. The operator desk requires an area of 2 x 3 m
CABLE CONNECTION TO OB VAN	Signals rquired at operator desk:1x video(SDI or HD) / 1x video (camera image) / 1x XLR (lense control)/ 2x audio 3-Pin XLR (Intercom) / 1 x Tally 3-Pin XLR / 1x 230 V /16A
SAFETY	BGVC1 certificated
FORCE MAJEURE	in case of danger due to not influenceable factors and unforeseen risks like heavy storms or thunder and lightning we reserve the right to cancel any operation of the system for safety reasons, disclaiming any liability
SECURITY	The positions of the winches may not be accessible for unauthorized persons. Additional security staff may be required
FIREWORKS	if fireworks are planned, please confer with us