



Description of the PHOTOSONICS AM500 - 16mm Highspeed Camera

Ground glass:	TV Safe and/or Standard 16mm
Framing rates:	24/ 48/ 100/ 200/ 300/ 400/ 500 fps
Voltage:	28V DC
Current Draw:	12 A (max)
Film:	16mm negative double-perf stock (2R) The camera runs with regular stock on max speed.
Magazines:	2 Mags each 400ft (122m) load
Exposure times:	The rotary shutter is variable, allowing to control of the exposure time independent of the used frame rate.
Shutter:	160° / 120° / 90° / 60° / 45° / 30° / 22,5° / 15° / 7,5°
Footage counter:	The AM500 is fitted with an indicator in each magazine
Run-up, Run-down:	The camera requires very brief run-up and run-down times. The Run-up to 500 fps lasts about 3 seconds, the run-down about 2 seconds. At lower frame rates, these times are shorter.
Filmtransport:	2 pull-down claws 2 registration pins
Reflex viewfinder:	continual reflex viewfinder. The viewfinder image is mirrored out by a beam splitter. This allows continual viewfinding during the take.
Light loss:	The beam splitter takes about 1/2 stop.
Lenses:	all Lenses need ARRI-Bajonett-Mount Zeiss Zoom 10 -100mm T 2,0 (Standard) Canon 8 - 64 mm T 2,4 (on request only) Canon 11,5-138mm T 2,5 (on request only) Innovision 16mm/TV with 90°-Angle T 8,0 (incl. 5 / 6,5 / 9 / 12,5 / 18 / 28mm lenses)



Description of the PHOTOSONICS AM500 - 16mm Highspeed Camera

Matte Box:

Petroff Matte-Box (4"x4" filter size) with 19mm Rods
Lightweight Matte-Box (3"x3" filter size)

Video Assist (optional):

Colour video camera in PAL standard
Our video assist is coupled to the viewfinder. Nonetheless, both visual viewfinder and the video assist can be used simultaneously during the take.
If fast action is recorded with a normal video camera, the exposure time (1/50 second) is much too long to capture the action clearly. The exposure time of the camera in our video assist can be switched to 1/1.000 second. Fast motion can be recorded almost with no blur. Each field is sharp in slow motion or freeze frame playback. This feature is a great help in judging the instant rushes of a high speed shot.
In addition with our Laptop and software program it is possible to simulate the speed reduction and record it.

Tripod:

any tripod with fluid head with a load capacity for 10Kg cameras. Or a "Pistol Grip" witch provides On/Off camera triggering control for hand-held situations.



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