Superloupe™ HD+

The Superloupe™ HD+ is an exclusive ultra-motion camera system which can capture up to 2500 frames per second in full HD

In exclusive partnership with Digital Video Sud (DVS), part of the Euro Media Group, ACS now offers the Superloupe™ HD+.

Developed in-house by DVS the Superloupe™ HD+ is capable of extremely high frame rates (up to 2500fps) and is configured to integrate into the live OB broadcast. Offering instant replay and speed-break effect via an EVS Hypermotion interface the Superloupe ™ HD+ operates like a regular broadcast camera controlled by a dedicated Grass Valley control panel.

Technical Specifications

CAMERA HEAD AND SUPERXPANDER

Power requirement:	Fibre powered or external powered
Power consumption:	250W
Operating temperature:	0º to 40º
Storage temperature:	-10º to 55º
Transmission:	Hybrid fibre LEMO 3K97C SMPTE311
Maximum cable length:	Up to 1600 metres (5250 ft)
Weight:	8KG (17.5lbs) Super X 6KG (13.2lbs) Camera Head
Dimensions (WxHxD):	600x350x390mm (23.6x13.7x15.5inches)

VIDEO PERFORMANCE

Sensor:	12 bit CMOS Sensor
Effective picture element (HxV):	1920 x 1080
Line standard:	720p, 1080i, 1080psf25
Gain:	-3dB to +9dB
Internal memory:	32GB, optional up to 512GB maximum
Frame rate/second:	2500 fps
Recording time:	@ 1000 fps 10.3s
Sensitivity:	@ 500 fps @ 2000 lux F7
Lens compatibility:	Canon or Fujinon long lenses

CAMERA INPUT/OUTPUT

Head set:	XLR 5/intercom channel ENG/PROD/PGM
External power:	110/220V - 50/60Hz

VIEWFINDER OLED HDTV

Weight:	3.9KG (8.6lbs)
Power consumption:	20.5W

GRASS VALLEY CONTROL PANEL (OCP 400)

Parameters:	Gain, Gamma, White/Black balance, Shutter, Record speed, Legalizer, Detail
Matrix:	EBU, ITU and Users matrix

CCU INPUT/OUTPUT CONNECTOR

Transmission:	Hybrid fibre LEMO 3K97C SMPTE 311
Power:	AC power connector - 100/220V-50/60HzMax 400W
Weight:	15KGs (33lbs)
Dimensions (WxHxD):	3U/48.3 x 13.3 x 52.8cm (19x5, 25x20.8 inches)
Video (BNC):	4x distributed Playback HD 4 x distributed Live HD
Return Video (BNC):	Input HD
Intercom (XLR):	ENG/PROD Intercom 4wire PGM Return
Ethernet:	2 Ethernet ports (EVS/Support) 1 RS 232 control (RCP)
Tally:	Tally RED (5V/12V/GND)

*Equipment to be supplied by client: 1x EVS XT2+ minimum HD 4Ch (Multicam minimum used 11.01.46) (Code Hypermotion 20 inside) (2x EVS Channels Required), 2x EVS Remote (1 for standard functions, 1 for hypermotion) + RS 422 Cables, 1x Canon 95x or 100x Lens, 1x RJ45 ethernet cable between XT2 to the CCU, Monitoring for Video Shading Engineer, Monitoring for EVS operator (6 screens on his desk), Fibre SMPTE 311 Lemo from truck to the camera position and Tripod, Feet and Head as Vector V700 and Vinten HDT1.