

SprintCam Vvs HD New and Enhanced Functionalities New Software Release

The fully integrated ultra slow-motion system for **Sports Broadcasting, Commercials & Films Production, and Documentaries**

The added-value of **SprintCam Vvs HD**:

- ▶▶ improved image processing
- ▶▶ live and replay dual output
- ▶▶ up to 5,600 fps in 720p / up to 2,600 fps in 1080i
- ▶▶ instant replay
- ▶▶ segmented memory
- ▶▶ ramping of speed within a replay
- ▶▶ built-in intercom
- ▶▶ compatible with EVS ultra-motion mode
- ▶▶ also optimized for shoulder-mounted portable shooting
- ▶▶ now 3D ready !



CAMERA

- Vision Research latest generation HD camera, v-Series
- B4, PL, C, F Mounts
- Up to 2,600 FPS in 1080i
- Up to 5,600 FPS in 720p
- SMPTE Fiber Optic Connection
- Full HD Single CMOS Sensor
- Red and Green Tally
- Built-in intercom
- 2 microphone inputs
- Video Returns



CCU

- HD-SDI Replay Signal
- HD-SDI Live Signal
- Size : 2U
- Only One Channel Necessary on Disk Recorder
- Two return video inputs
- Ethernet connections between CCU and remotes
- Bi-level, Tri-level Genlock
- Intercom
- Up to 1,000m between camera and CCU
- Remote updates



OCP : NEW DESIGN

- Joystick control (Iris, Black, Preview)
- RGB & Master Gains
- RGB & Master Pedestals
- Auto White/ Black Balance
- Gamma Control, Black Gamma
- Standard Color Matrix
- Saturation
- Flare compensation
- Detail enhancement
- Frame Rate/Shutter Control
- Setup settings (Format, Genlock, etc.)
- User pre-sets
- Remote updates



SLOW MOTION REMOTE

- User-Friendly Slow Motion Remote
- Easy Sequence Selection
- Auto-clip to EVS server
- Instant Replay
- Ramping of Speed Within a Replay
- Cueing System
- Multi-block Management
- Compatible with EVS Hypermotion Mode



Sprint Cam

Extreme slow-motion **Vvs HD**



Recording Time

	FULL HD 1080i		HD 720p	
	16Gb	32Gb	16Gb	32Gb
300 fps	17 sec	33 sec	38 sec	81 sec
500 fps	10 sec	20 sec	23sec	46 sec
1,000 fps	5 sec	10 sec	11 sec	22 sec
Max fps	2,600fps 1.9 sec	2,600fps 3.8 sec	5,600fps 1.95 sec	5,600fps 3.92 sec

Camera (Phantom camera)

General

Sensor	12-bit CMOS with 10µm pixel
Effective picture elements	1920 x 1080
Lens mount	B4 Mount, PL Mount, C Mount, Nikon F Mount
Memory	16 GB standard - 5sec @ 1,000 FPS in 1080i, 32GB optional
Recording Frame Rate	Up to 5,600 FPS (in 720p)
8-inch Color Viewfinder	Sony OLED, or any HD-SDI viewfinder
Operation temperature	0-40 degrees C (32-104 F)
Mounting	V-Wedge Quicklock Mount
Dimensions (W x H x L)	180 x 325 x 410 mm
Weight	12 Kg (26.45 lb)

Input/Output Connectors

Viewfinder connector	BNC type, 1.0Vp-p 75 Ω
DC (12V/1.5A)	5-pin Hirose
Lens connector	12-pin Hirose
Hybrid fiber connector	LEMO EDW.3K.93C.TLC / SMPTE 304 Tajimi / Fischer / Rosenberger connector (optional)

Transmission

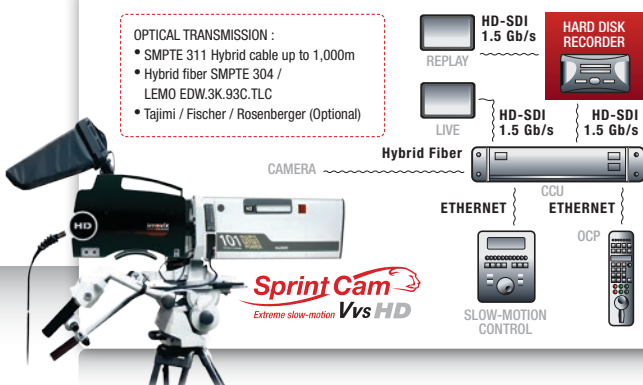
Transmission cable	SMPTE 311 Hybrid Cable up to 1,000m
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Shed boxes available to use with ordinary single mode fiber (extended distance between CCU and camera)

SprintCam Camera System

- OPTICAL TRANSMISSION :
- SMPTE 311 Hybrid cable up to 1,000m
 - Hybrid fiber SMPTE 304 / LEMO EDW.3K.93C.TLC
 - Tajimi / Fischer / Rosenberger (Optional)



Operational Control Panel (OCP)

User Interface	Joystick, Graphical TouchScreen, Rotary Knobs
Power connector	XLR 4-pin 12 Vdc
Control Data	RJ45 / Up to 100m between CCU and OCP
Dimensions (W x H x L)	99 x 116 x 355 (323) mm
Weight	2 kg (4.41 lb)

Camera Control Unit (CCU)

General

Dimensions (W x H x D)	438 (19inch rack) x 88 (2U) x 465 mm
Weight	7 Kg (15.43 lb)
Operation temperature	0-40 degrees C (32-104 F)
Operation humidity	Max 80 % (non-condensing)

Connectors

SDI-out	2 x BNC 1ch 1.0Vp-p 75 Ω
SDI-in	2 x BNC 1ch 1.0Vp-p 75 Ω
Control data	RJ45 x 3
Tally (R, G)	Input Relay Contact
Genlock	SD Analog Black Burst (Bi-Level) or HD Tri-Level Sync
Hybrid Fiber Connection	LEMO FMW.3k93C. SMPTE 304 Tajimi / Fischer / Rosenberger Connector (optional)

Video Output & Input Formats

Video Output & Input Formats	HD-SDI 1080i 50 / 59.98 / 60 HD-SDI 720p 50 / 59.98 / 60
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Intercom – Audio

Line Level	+4dBu Nominal
Intercom ENG/PROD	4-wire System (Balanced)
Intercom PGM	Balanced Input
Microphone output	2 x 3-pin XLR
Head set connector	5-pin XLR
Volume control	ENG, PROD, PGM

Power

Power requirements	AC 80 V to 240V, 47 to 63 Hz
Power connector	IEC type, 3-pin male
Power consumption	280VA max. with camera

Slow Motion Control

Controls	Jog, Shuttle, Buttons
Power Connector	XLR 4-pin 12 Vdc
Control Data	RJ45 / Up to 100m between CCU and slow motion remote
Dimensions (W x H x L)	164 x 80 x 255 mm
Weight	1.5 kg (3.3 lb)

Intercom – Audio

Head set connector	5-pin XLR
Microphone input	2 x 3-pin XLR
Volume control	ENG, PROD, PGM