

SprintCam Vvs HD

The brand-new

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

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

- ▶▶ live and replay dual output
- ▶▶ up to 5,800 fps in 720p / up to 2,700 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

CAMERA

- Vision Research latest generation HD camera, v-Series
- B4, PL, C, F Mounts
- Up to 2,700 FPS in 1080i
- Up to 5,800 FPS in 720p
- Up to 12,000 FPS in NTSC, up to 10,500 FPS in PAL
- SMPTE Fiber Optic Connection
- 2.5K x 1.6K Single CMOS Sensor
- Up to 1,000m between camera and CCU
- Built-in intercom
- 2 microphone inputs

CCU

- HD-SDI Replay Signal
- HD-SDI Live Signal
- Size : 2U
- Only One Channel Necessary on Disk Recorder
- Ethernet connections between CCU and remotes
- Bi-level, Tri-level Genlock
- Intercom

OCP

- RGB Master Gains
- RGB Master Pedestals
- Knee Slope/ Point Control
- Auto White/ Black Balance
- Gamma Control
- Custom Color Matrix
- Chroma, Saturation, Hue Control
- Iris Control
- Frame Rate/Shutter Control
- Setup settings (Format, Genlock, etc.)
- 10 user pre-sets

SLOW MOTION REMOTE

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

Recording Time (16GB*)

	1080i HD	720p	NTSC	PAL
500 fps	10 sec	23 sec	59 sec	49 sec
1,000 fps	5 sec	11 sec	29 sec	24 sec

*32GB, 64GB (optional)

Camera (Phantom camera)

General

Sensor	12-bit CMOS with 10µm pixel
Effective picture elements	1920 x 1080
Shutter	Global electronic shutter down to 1/1,000,000 sec
Lens mount	B4 Mount, PL Mount, C Mount, Nikon F Mount
Memory	16GB standard -5 sec @ 1,000 fps in 1080i, 32 GB optional
Recording Frame Rate	Up to 5,800 fps (in 720p) / Up to 10,000 fps (in SD)
8-inch Color LCD Viewfinder	Viewfinder Panasonic BT-LH80WE, or any HD-SDI viewfinder
Operation temperature	0-40 degrees C (32-104 F)
Mounting	3/8 - 16 UNC
Dimensions (W x H x L)	161 x 310 x 414 mm
Weight	11 Kg (24.25 lb)

Input/Output Connectors

Viewfinder connector	BNC type, 1.0Vp-p 75 Ω
DC (12V/1.5A)	4 and 5-pin Hirose
Lens connector	12-pin Hirose
Hybrid fiber connector	LEMO EDW.3K.93C.TLC / SMPTE 304 Tajimi / Fischer / Rosenberger connector (optional)

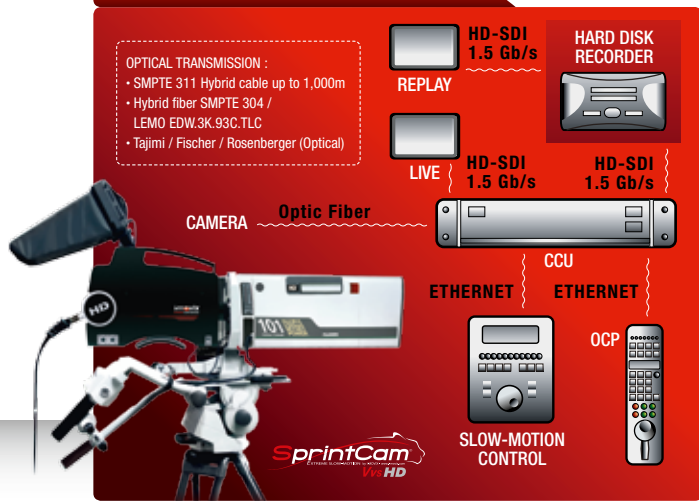
Transmission

Transmission cable SMPTE 311 Hybrid Cable up to 1,000m

Intercom – Audio

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

SprintCam Camera System



Camera Control Unit (CCU)

General

Dimensions (W x H x D)	438 (19inch rack) x 85 (2U) x 451 mm
Weight	8 Kg (17.64 lb)
Operation temperature	0-40 degrees C (32-104 F)
Operation humidity	Max 80 % (non-condensing)

Connectors

SDI-out	4 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

Video Output Format

Video Output Format	HD-SDI 1080i 50 / 59.98 / 60 HD-SDI 720p 50 / 59.98 / 60 SDI NTSC, PAL
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Intercom – Audio

Line Level	+6dBu 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

Fiber Connectors

Fiber connector types	LEMO FMW.3k93C. SMPTE 304 Tajimi / Fischer / Rosenberger Connector (optional)
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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 83 x 255 mm
Weight	1.5 kg (3.3 lb)

Operational Control Panel (OCP)

User Interface	Graphical Screen, 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	1.8 kg (4 lb)